

SMOKE SIGNALS

For Radio Amateurs • By Radio Amateurs

Published Monthly Since 1969 • Our 25th Year
Single Copy \$1.25

Return Address:
Kenneth A. Ebner
822 Wauona Trail
Portage, WI 53901

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Vol. 25 No. 10 • 298th Consecutive Monthly Issue • Baraboo, Wisconsin • October 1994

Top-Scoring Club in 1994 Wisconsin QSO Party Gets Award



The Kettle Moraine Radio Amateurs topped the list of club aggregate scores in the 1994 Wisconsin QSO Party with 240,887 points. The club was presented its award, and some of its members posed for this photo at the South Milwaukee Amateur Radio Club's Swapfest in Oak Creek in July. The Great Achievers are, from left to right: (kneeling) Bruce Richardson, KE9QT; Jerry Seefeld, WA9O; and Paul Sperbeck, WB9HCO; (standing) Steve Robonsin, WU9B; Lynn Tamblin, K9KR, of the West Allis Radio Amateur Club, presenting the plaque; Bruce Herrick, WW1M; Ken Secora, N9KS; Peter La Bissoniere, KW9E; Gary Sutcliffe, W9XT; and Philip Noftz, N9FEW. The fellow with the beer isn't part of the group, and not known. N9KS also turned in the top multi-transmitter, multi-operator mobile effort with 64,250 points. N9FEW is the president of the West Allis Radio Amateur Club, which sponsors the WQP on the second Sunday of March every year.

- Photo by Les Peterson/W9YCV

Congress Watchers Remain Optimistic

Amateur Radio-related legislation remains alive as the 103rd Congress winds down. Still viable are provisions from House Joint Resolution 199 and its Senate companion, Senate Joint Resolution 90. The bills are "sense of the Congress" resolutions urging the Federal Communications Commission to adopt regulations that encourage the use of new technology and calling for "reasonable accommodation" for the use of Amateur Radio in homes, automobiles, and public areas.

The House bill, sponsored by Congressman Mike Kreidler of Washington, has been added to the FCC Authorization Act. H.R. 4522, by the House Telecommunications Subcommittee. H.J. Res. had 245 co-sponsors by the time it was considered by the committee. It also has passed the House Energy and Commerce Committee and is slated for floor action. The Senate version has been reported

Please turn to page 13

A New FCC Service

Automated, Toll-Free Telephone System Installed at Gettysburg Facility

The FCC has instituted a toll-free phone line at its Gettysburg, Pennsylvania licensing division for customer service inquiries. Amateurs may call 800-322-1117 weekdays between 8 a.m. and 4:30 p.m. Eastern Time to access an automated information system with recorded messages on interference complaints, form requests, records, and Amateur Radio call sign assignments.

Other messages regard fee information and processing times. A TouchTone™ telephone is required.

The FCC said the new service was part of its response to a presidential order that the federal government be "customer driven." The FCC said it used a series of focus groups with external customers to identify the desire for an 800 number at its licensing division.

"Within the next 18 months," the FCC said, "customer service standards will be developed for other areas of Commission operations to ensure that FCC customers receive the highest quality of service possible. As these new standards become available, the FCC will inform its customers."

- ARRL Bulletin ARLB074, 9/22/94

New Address for St. Paul FCC Office

The Federal Communications Commission's Saint Paul, MN, Field Office has a new address. It is 2025 Sloan Place #31, Saint Paul, MN 55117-2058.

- Mike Schoenfuss, N9GHZ



HAPPY HALLOWEEN!

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ELMER

By Rich Regent, K9GDF



WHAT'S HAPPENING

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EDITED BY KENNETH A. EBNETER, K9EN, 822 WAUONA TRAIL, PORTAGE, WI 53901

Swapfests and Other Social Events

SUNDAY, OCTOBER 9, 1994. The WVRA-Wisconsin Valley Radio Association will hold a tailgate swapfest & fleamarket at the NTC Tech School parking lot. Set-up starts at 6:30am and opens to the public at 8am to 2pm. Anything amateur radio related or not will be allowed for sale. A \$2 fee is charged for sellers and a \$1 fee for each carload of shoppers. Talk-in will be on the 146.640 repeater. Exit highway 51 at the highway K exit take K into the city until coming to the stoplights at Campus Drive by McDonalds. Turn east onto Campus Drive and you will see the NTC lot just past McD's.

SUNDAY, OCTOBER 23, 1994. KMRA Swapfest, Waukesha County Exposition Center, in the Forum Building, Highways J and FT, Waukesha, WI. Contact KMRS Swapfest, PO Box 411, Waukesha, WI 53187-0411

SATURDAY, OCTOBER 29, 1994. HAMFEST Minnesota & Computer Expo., St. Paul Civic Center, ST. Paul, MN. Contact Hamfest Hotline (612) 535-0637.

SATURDAY, NOVEMBER 5, 1994. The Milwaukee Repeater Club is proud to sponsor the 10th

annual "6.91" Friendly Fest" from 8:00 a.m. to 1:00 p.m. (vendors admitted at 6:30 a.m.) NEW LOCATION: Waukesha County Expo Center Arena. VE testing. Reserved tables: \$4.00 per 4' table. Admission: \$3.00 in advance or \$4.00 at the door. Contact Milwaukee Repeater Club, Inc., P.O. Box 2123, Milwaukee, WI 53201.

NOVEMBER 19-20. Fort Wayne Hamfest, Allen County War Memorial Coliseum Exposition Center. Contact: ACARTS, PO Box 10342, Fort Wayne, IN 46851.

SUNDAY, JANUARY 8, 1995. Midwinter Swapfest sponsored by the West Allis RAC. Contact WARAC, PO Box 1072, Milwaukee, WI 53201.

TUESDAY, FEBRUARY 28, 1995. Northern Wisconsin Radio Club Auction. Contact: Steve Hart, KA9OMC, Route 1, Box 54, Knapp, WI 54749.

SUNDAY, APRIL 2, 1995. Madison Swapfest. Contact: MARA, PO Box 8890, Madison, WI 53708-8890.

SATURDAY, MAY 13, 1995. Lakeshore Hamfest. Contact: ManCoRad. PO Box 204, Manitowoc, WI 54221-0204.

SATURDAY, JULY 8, 1995. South Milwaukee Swapfest, Oak Creek, WI. Contact SMARC, po box 102, South Milwaukee, WI 53172. (414) 762u-3235.

See also the back page and flyer ads for additional information on many of these events.

As a service to our readers, this section of Badger State Smoke Signals is available without charge to list your upcoming Swapfest,

Hamfest, dinner, picnic, party or other event of interest to Radio Amateurs in Wisconsin and nearby areas. Send information on your event to Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. In addition, space is available at attractive rates on our advertising pages. For information on rates and requirements for our advertising pages, please contact K9ZZ or K9EN.

Club Meetings



Due to space limitations, we cannot always carry the full listing of Wisconsin and area club meetings. Please see the September 1994 meetings column for the latest complete listing. We have received no additions or changes since that listing.

The Test Point



Amateur Radio Examination Locations and Schedules in the Wisconsin Area

The following are known locations where Amateur Radio license examinations are scheduled in the Badger State area.

October 1, 1994	Park Falls, WI
October 1, 1994	Racine, WI
October 1, 1994	River Falls, WI
October 8, 1994	Madison, WI
October 8, 1994	Oak Creek, WI (MRAC)
October 15, 1994	Milwaukee, WI (BE)
October 23, 1994	Waukesha, WI (KMRA Hamfest)
October 19, 1994	West Allis, WI (MRAC)
October 29, 1994	Wauwatosa, WI (MRAC)
October 29, 1994	Marinette, WI
October 29, 1994	Tomahawk, WI
November 5, 1994	Adams, WI
November 5, 1994	Menomonie, WI
November 5, 1994	Racine, WI
November 6, 1994	Kaukauna, WI (Hamfest)
November 12, 1994	Madison, WI
November 12, 1994	Oak Creek, WI (MRAC)
November 16, 1994	West Allis, WI (MRAC)
November 19, 1994	Milwaukee, WI (BE)
November 19, 1994	Dubuque, IA
November 26, 1994	Wauwatosa, WI (MRAC)
December 3, 1994	Stevens Point, WI
December 3, 1994	River Falls, WI
December 3, 1994	Racine, WI
December 10, 1994	Marshfield, WI
December 10, 1994	Madison, WI
December 17, 1994	Milwaukee, WI (BE)
December 21 1994	West Allis, WI (MRAC)
Monthly, 1st Sat.	Racine, WI (except January, July & August)
Monthly, 2nd Sat.	Madison, WI
Monthly, 2nd Sat.	Oak Creek, WI (SWAT/MRAC) (except June, July & August)
Monthly, 3rd Wed.	West Allis, WI (MRAC)
Monthly, 3rd Sat.	Loves Park, IL
Monthly, Last Sat.	Wauwatosa, WI (MRAC) (except December)
Monthly, Last Sat.	Tomahawk, WI (January thru October only)
Quarterly	Marshfield, WI (Second Saturday every third month.)

Many Swapfests/Hamfests offer exam sessions. If not shown above contact the sponsor-

Badger State Smoke Signals

Amateur Radio Education and Information

CHAIRMAN: Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. Telephone (608) 742-3560.

EDITOR: Jim Romelfanger, K9ZZ, 412 1/2 Ash Street, Baraboo, WI 53913. Telephone (608) 356-4031.

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Subscriptions

1 year	(12 issues)	\$12.00
2 years	(24 issues - save \$2.00)	\$22.00
3 years	(36 issues - save \$4.00)	\$32.00

Special club package reduced rates are available. For information, contact Ken Ebnetter, K9EN.

When to Send It

The closing date for each issue is the first of the month for the next month's issue. For example, the closing date for the June issue is May 1.

The only exception is for participating clubs. Participating clubs are requested to send their material no later than FIVE DAYS after the club's meeting. For example, if a club meets on the 4th of the month, the material should be sent no later than the 9th of that

month. This material is to be sent to the Editor.

Where to Send It

Address changes and corrections should be sent to Ken Ebnetter.

Editorial material, photographs, feature articles, display ads, and exchange papers should be sent to Jim Romelfanger.

Inquiries about advertising should be directed to Ken Ebnetter.

Swapfest information should be sent to Ken Ebnetter. Swapfest ads should be sent to Jim Romelfanger.

Subscriptions should be sent, with check or money order, to Jim Decker.

Conditions for Reprinting or BBS-Posting Material from Badger State Smoke Signals

Permission is hereby granted to reprint articles or posting articles on radio or telephone bulletin boards from *Badger State Smoke Signals*, providing credit is given to the original author, publication in which the article first appeared, and to *Badger State Smoke Signals*. THIS CREDIT IS MANDATORY, AND NO MATERIAL MAY BE PRINTED OR POSTED UNLESS IT IS GIVEN. This newspaper is produced by volunteer Radio Amateurs, and is non-profit. This newspaper is mailed from Portage, WI 53901. *Badger State Smoke Signals* is incorporated as a Wisconsin non-stock, non-profit organization.

Editorial Disclaimer

The opinions expressed in editorials, guest editorials, columns, articles, and letters from readers are the opinions of the authors only, and do not, unless otherwise stated, express or imply endorsement by *Badger State Smoke Signals*, or by any other individual or organization.

If all the cars in the United States were lined up end to end, someone would still pull out and try to pass.

Boss to secretary: "Who told you that just because I tried to kiss you at last year's Christmas party, you could neglect your work?"
Secretary: "My lawyer."

An optimist is a man who keeps his motor running while his wife runs into the store for a loaf of bread.

--Elaine Reetz, Waushara Argus, Wautoma

Life is like riding a bicycle: you don't fall off unless you stop pedaling.

ing club in the Swapfest column on page 2.

The FCC now requires applicants to show their ORIGINAL AMATEUR LICENSE to the VEC. A copy of your license must be attached to your FCC form 610. You will also be required to have a photo ID, or other acceptable identification.

GENERAL RULES

FOR MOST EXAMINATIONS:

Be sure to check with sponsors in the event there are changes and/or errors in the dates or information given.

Most examinations require filing an FCC Form 610 and advance registration at least 30 days before the exam date. (Some VECs permit walk-ins. Check with sponsor.)

To register, you must first secure a copy of the current FCC Form 610 and fill it out completely (AND CORRECTLY). Get your form from an FCC Field Office, the ARRL or Badger State Smoke Signals. Send a 29¢ SASE if you request one from the ARRL or BSSS. In most cases, forms can also be obtained from the sponsoring group.

ARRL/VEC examinations require a check for \$5.75 payable to "ARRL/VEC".

The FCC now requires applicants to show their ORIGINAL AMATEUR LICENSE or CSCE to the VEC. You must also have two good copies of your license or CSCE. A copy of your license or CSCE must be attached to your FCC form 610 and most VEC want a copy for their records. You will also be required to have a photo ID, or other acceptable identification.

Technician class licensees must show proof of testing before March 21, 1987, in order to upgrade to General with a code test only.

Additional information is given below.

MILWAUKEE RADIO AMATEURS' CLUB (MRAC/VEC)

OAK CREEK, WI (SWAT -MRAC/VEC)

SECOND SATURDAY DATES: 1:00 p.m. at Wauwatosa Savings and Loan Branch, 6560 S. 27th St., Oak Creek, WI. (MRAC/VEC fee \$5.00)

THIRD WEDNESDAY DATES: At 6:30 p.m. at Park Manor, 3023 S 84th St., West Allis, WI.

LAST SATURDAY DATES (except December): 8:30 a.m. at 7500 W. State St., Wauwatosa S&L, lower level, Wauwatosa, WI.

For Additional Information Contact; Jack Krause, (414) 774-6999 or call (414) 466-HAMS (Answering Machine) or write MRAC, 1737 N. 116th St., Wauwatosa, WI 53226.

Bring along your ORIGINAL license, CSCE and two (2) good quality photocopies, plus two forms of identification, such a driver's license, etc. Also required is \$5.00 for the exam fee. WALK-INS are welcome. To register in advance, use a post card: print the grade of license you are applying for, and your name, address, and telephone number. Send the card to MRAC/VEC, c/o Jack Krause, W9JK, or Les Peterson, W9YCV at the addresses shown above.

BADGER EXAMINERS (BE) - MILWAUKEE

Unless otherwise noted, examinations are administered beginning at 9:00 a.m. to Noon, at WMVS-TV studios, MATC Downtown campus in the C building. The address is 1036 N. 8th Street, Milwaukee. Enter at the North West entrance of C Building. Walk-ins are welcome. To register in advance, send a post card with your name, test or tests you wish to take, date you wish to take., your call sign, address and telephone number to Badger Examiners, Gary J. Sharbuno, WI9M, 5119 W. Willow Rd., Brown Deer, WI 53223. Telephone (414) 355-0237.

Also available now will be FCC General Radio Telephone Commercial exams. Fees are \$5.75 for the Amateur Radio exams and \$35.00 for the commercial exams.

MADISON, WI

VE exams are held in Madison every second Saturday morning (September through May) of the month at 8 a.m. They are held at the operations building of the Madison Metropolitan Sewerage District at 1610 Moorland Rd. To get there take the Beltline (Hwy 12 & 18) to South Towne Drive. Go south 8/10 mile till South Towne Drive makes a bend and becomes Moorland Rd. and enter at gate.

You should bring a picture ID, your original licence and a copy of your licence. For exams beyond the novice tests, bring a check for

\$5.75, made out to the ARRL/VEC. If the special 610 form with the medical exemption is required, contact me beforehand to obtain one. No appointments are necessary to take exams. For further questions, please leave a message on the mailbox or phone me at (608) 832-6631.

Mark Jenks, NZ9B

RACINE, WISCONSIN - ARRL/VEC

Monthly - first Saturday, except January, July, and August.

Monthly exams are given 9:00 to 11:00 a.m. at the Red Cross Building, 4521 Taylor Avenue, Racine. Walk-ins are permitted.

Inquiries and registrations should be directed to William Firchow, Jr., NW9P, 1912 27th Street, Kenosha, WI 53140, telephone (414) 658-8390.

TOMAHAWK, WI

Last Saturday of every month. Jan. thru Oct.

Tomahawk Volunteer Examiners (ARRL/VEC). Tomahawk, WI. No preregistration required, but appointment would be appreciated. Registration at 8:30 a.m. and testings starts at 9:00 a.m. For location or other information, inquire on 145.43 MHz. repeater or contact: Terry Collins, KB9AUP, W6564 Highway 8, Tomahawk, WI 54487. Telephone (715) 453-4633.

STEVENS POINT, WI

Contact: Joe Larson, N9JW. (715) 344-1182.

APPLETON, WI - ARRL/VEC

MANITOWOC, WI (HAMFEST)

KAUKAUNA, WI (HAMFEST)

Conducted by the Fox Cities ARC VE team. All test session in Appleton are held at James Madison Jr. High, 2020 S. Carpenter Street. Candidates check in between 8 and 9 a.m. with testing starting at 9 a.m. No walk-ins after 9 a.m. Contact George R. Croy, W9MDP, 2113 Twin Willows Drive, Appleton, WI 54914. (414) 730-0967.

MENOMONIE, WI

The Northern Wisconsin RC will be sponsoring exams from 9:00 to 11:30 a.m. at the UW Stout Communication Center, 820 South Broadway, Menomonie, WI. Use the north entrance. Walk-ins only. Contact Jim Ley, NX9F. Work: (715) 232-1397, Home: (715) 235-3998.

RIVER FALLS, WI

Exams are held in the church basement, at the United Methodist Church, 127 South 2nd St., River Falls, WI. Contact: Chuck Kelly, KA9YRV, (715) 425-2428.

MARSHFIELD, WI (ARRL/VEC)

Sponsored by the Marshfield Area ARS. Held at St. Joseph Hospital, 611 St. Joseph Ave., in the 1 West classroom located adjacent to the Westwood Cafeteria on the main floor of the hospital. Use the main entrance or any other entrance and follow the signs to the cafeteria. Registration starts at 8:30 a.m. with testing starting at 9:00 a.m. Talk in on the 147.18 Marshfield repeater. Walk-ins welcome. Contact: Walter Friant, WBOKIN, 2310 Wallonie Drive, Marshfield, WI 54449 (715) 387-3870.

GREEN BAY, WI (ARRL/VEC)

Contact N9NOF, Keith Summers, 918 Bluebird St., De Pere, WI 54115. (414) 336-6087, after 4:00 p.m.

OSHKOSH, WI

Winnebago County ARC, Oshkosh Armory, 1415 Armory Place. Registration at 8:00 a.m. with testing at 9:00 a.m. Contact AA9BA, (414) 685-5018 or KB9IME, (414) 233-7158.

ADAMS, WI

Conducted on Saturday, November 5, 1994, by the Wisconsin Rapids ARC at Mid-State Technical College Annex, Adams, WI. Doors open at 8:30 a.m. with exams at 9:00 a.m. For information contact: Gene Santoski, K9UTQ, (715) 423-6368.

KAUKAUNA, WI - SWAPFEST

MANITOWOC, WI, LAKESHORE HAMFEST

RACINE, WI - BIG BOY TOY SHOW

RHINELANDER, WI - NWARC SWAPFEST

STEVENS POINT, WI - CWRA SWAPFEST

WAUKESHA, WI - KMRA SWAPFEST

WAUKESHA, WI - MIDWINTER SWAPFEST

EAU CLAIRE, WI - ECARC HAMFEST

SOUTH MILWAUKEE, WI - SMARC HAMFEST

CEDARBURG, WI - ORC HAMFEST

ROCKFORD, IL - RARC HAMFEST

See the Swapfest column for additional information and contact persons.

GREAT RIVER AMATEUR RADIO CLUB

DUBUQUE, IOWA - ARRL/VEC

Amateur examinations will be held on Nov, 19 in 1994.

The Great River Amateur Radio Club VEs are now field stocked, which means retests can be given immediately.

Exams are held at 9:00 am at the Central Fire Station, 9th and Central in Dubuque. Use the basement entrance on 9th street. For more info, contact: Carl Clark, NOKAX, 145 Delicia Drive, Dubuque, IA 52001. Or call Carl at 319-557-9149. Talk-ins are on the 147.84/24, 147.63/03 and 146.295/895 repeaters.

Contact: Arthur A. Evans, KA9KLZ, 213 N Jefferson St., Cuba City, WI 53807-1558, (608) 744-2704

LOVES PARK, IL

Third Saturday of every month. Northern Illinois Volunteer Examiners (W5YI VEC). Held at North Suburban District Library, 6340 North Second St. (Hwy. 251), Loves Park, IL. Contact: Dennis G. Eksten, W9SS, (815) 877-6768.

The following information received from ARRL Headquarters VEC.

The FCC has been taking up to 12-14 weeks to process license applications. We believe that the delay may begin to shorten now since the summer usually has a lower activity level than the spring, and the FCC has begun focusing additional daily staff as well as some overtime staff on the task. Also, worth noting is that as of June 8, 1994, the FCC has begun printing "TECH PLUS" licenses for those who have qualified. Lastly, also effective June 8th, the FCC will no longer be issuing fresh ten-year term licenses for actions on other than new licenses or renewals (upgrades, call sign changes, name changes or address changes will carry the previous license expiration date).

Out of State Exams

Information Provided
by the ARRL/VEC



EASTERN IOWA

10/01/94, West Liberty, 319-338-4856, Allen Dye
10/08/94, Clinton, 319-242-9486, Roger Gorzney
11/19/94, Dubuque, 319-557-9149, Carl E Clark
12/10/94, Clinton, 319-242-9486, Roger Gorzney
04/08/95, Clinton, 319-242-9486, Roger Gorzney
06/10/95, Clinton, 319-242-9486, Roger Gorzney
08/12/95, Clinton, 319-242-9486, Roger Gorzney
10/14/95, Clinton, 319-242-9486, Roger Gorzney
12/09/95, Clinton, 319-242-9486, Roger Gorzney

NORTHERN ILLINOIS

10/07/94, Westmont, 708-964-6712, Don Hlinsky
10/08/94, Oak Forest, 708-448-0580, David Brasil, NF9N
10/10/94, Chicago, 708-677-3272, Michael Levine N9HEL
10/12/94, Chicago, 312-465-0981, Michael Leibovitz
10/18/94, Aurora, 708-879-2217, Alan Ahasic
10/18/94, Burr Ridge, 708-986-0061, Dennis Lamoreaux
10/18/94, McHenry, 815-678-4276, Jack Hudson
10/22/94, Chicago, 312-233-0605, Harold Prichard Jr
10/29/94, Mt Carroll, 815-777-1002, Herbert Scarpelli
11/09/94, Chicago, 312-465-0981, Michael Leibovitz
11/12/94, Dixon, 815-284-6380, Charles W Randall
11/12/94, Oak Forest, 708-448-0580, David Brasil, NF9N
11/14/94, Chicago, 708-677-3272, Michael Levine N9HEL
11/15/94, Aurora, 708-879-2217, Alan Ahasic
11/15/94, Burr Ridge, 708-986-0061, Dennis Lamoreaux
11/15/94, McHenry, 815-678-4276, Jack Hudson
11/26/94, Chicago, 312-233-0605, Harold Prichard Jr
12/02/94, Westmont, 708-964-6712, Don Hlinsky
12/10/94, Oak Forest, 708-448-0580, David Brasil, NF9N
12/12/94, Chicago, 708-677-3272, Michael Levine N9HEL

(continued on page 15)

Wisconsin Nets Association Ltd.

Art Evans, KA9KLZ, Secretary • 213 North Jefferson • Cuba City, WI 53807

Section Manager's Notes



Richard R. Regent, K9GDF
5003 South 26th Street
Milwaukee, WI 53221

ARRL-sponsored National Exam Day is October 29 - a great time for VEs, clubs and school teachers to arrange ham radio tests and promote the fun in getting a new operator's license or upgrading a current license.

On November 5 at 8 a.m., the 6.91 Friendly Fest will be held at the Waukesha County Expo Arena with license exams available.

November 6, the Fox Cities Hamfest will be at the Starlite Club, Highway 55 north of Kaukana with exams and DXCC Field Reps.

N9VEV from Eagle has completed Amateur Auxiliary examination and is now an Official Observer.

Congratulations to N9LHY, N9MEI and N9MEH who were recognized by ARRL as 1994 Excellence In Recruiting nominees from Wisconsin.

NZ9Z is now OES.

WA9BDX of Racine is new DXCC Field Representative and ARRL Volunteer Examiner; his brother is WB9RGO.

If you would like to be an Official Emergency Station please contact our SEC, WB9SMM of Brookfield.

Rock River RC tours Sullivan Weather for weather and radar training; has math class for license exams by N9TSQ.

Watertown ARC helping with highway cleanup, Riverfest celebration, Oconomowoc Art Festival and had program on Civil Air Patrol.

Per WAR and WBØWOT, our Frequency Coordi-

Wisconsin Nets

Net	WNA	Freq.	UTC	CDT	Mgr.
BWN	Yes	3985	1100	0600	W9AYK
BEN	Yes	3985	1700	1200	KE9VU
WSBN	Yes	3985	2230	1730	K9UTQ
WNN	Yes	3723	2300	1800	KA9FVX
WSSN	Yes	3645	2330	1830	N9BDL
WIN/E	Yes	3662	0000	1900	WB9ICH
WIN/L	Yes	3662	0300	2200	W9NGP
NWTN	Yes	34/94	2330	1830	NS9Q
(Rhinelander area)					
RCRA	No	01/61	2330	1830	KA9OMC
(Mondays CST) (Menomonie Area)					
Gr. Bay	No	72/12	0145	2045	WB9NRK
(Green Bay Area)					
ARES	No	4.65/5.25	0100	2000	
(South East/South Central Wisconsin)					
RACES	No	3993.5	1300	0800	WA9OAY
(LSB Sunday)					

inator, newly coordinated repeaters are: Hilbert 144.67, Tomahawk 144.77, Green Bay 146.085, Lac du Flambeau 146.100, Tigerton 147.735, Iron River 147.87, Green Bay 449.775, Milwaukee 449.825 and 448.050. WBØWOT reminds us that re-coordination of repeaters is required for changes of trustee, location, height or new owner.

WBØWOT and WA9JOB are directors in M.A.C.C.; WA9JOB is Chairman of WAR and vp of M.A.C.C.

Exams: November 5 Menomonie, Racine; November 6 Kaukauna; November 12 Madison, Oak Creek; November 16 West Allis; November 19 Milwaukee; November 26 Wauwatosa.

Let me know if you would like a free list of 107 Wisconsin nets or 93 clubs.

Sorry to report Silent Key W9MUM of Eau Claire.

Thought for the month: *The shortest route has the steepest hills.* □

weeks, a Door County node seems to request a connect confirmation every ten seconds from WISHE - really slowing down the system. I also assume from MY MHeard list that some of the various nodes are running greater than 50 watts on high antenna sites, further delaying the system from distant areas.

I've not seen so much crashing and crunching in Packet radio since the days just before the node'ing came to hamdom, when digipeating was the only way to go any distance. I remember the early days of packet when I digipeated from Los Angeles to Ogden, Utah, and Eugene, Oregon.

I started my packet radio days by building a friend's TAPR 1 and then my own TAPR 2. I used my home built Heathkit H-89 computer. That's not that long ago - barely over 10 years ago. The Packet mode of radio communications has technically excelled the furthest in a shortest period of time compared to any other mode of communications. The user base of packet radio also has exploded proportional to the cheap and mass availability of TNCs with the common place of home computers.

A problem was created with this packet explosion. Now, everyone who couldn't become a repeater god could, economically, become a BBS Lord and, if not, it was easy to become a Node King. Soon there were BBS's and nodes all over

GETTING PREPARED

Simulated Emergency Test

By Richard R. Regent, K9GDF
Section Manager, Wisconsin Section ARRL
5003 South 26th Street
Milwaukee, WI 53221

The ARRL Simulated Emergency Test (SET) is a nationwide exercise in emergency communications; led by Emergency Coordinators and Net Managers, carried out by ARES and NTS members.

The theme of the 1994 Simulated Emergency Test (SET) is: *New Hams, New Blood for ARES*. ARES leaders should enjoy a windfall of new recruits for their programs for this fall's SET on October 15 and 16. Extra points will be awarded to groups for each new ham who participates.

What is the purpose of SET?

1. To find out the strength and weaknesses of ARES, NTS and RACES.

2. To provide a public demonstration of the value that Amateur Radio provides.

3. To help radio amateurs gain experience in communications.

Emergencies don't stop at artificial boundaries, so cooperate with our friends and volunteers in Illinois and Minnesota. Some folks start thinking about SET real early, like N9UNR who had plans underway for the OZARES SET shaped up many months ago.

KØSCM of Lincoln, Nebraska, suggests that SET rules be changed so ARES groups can be given credit for SET participation within one calendar year, rather than only during September, October and November. Many ARES groups have significant activities, like the City of Festivals Parade, Circus Parade, local public service exercises and drills, which are scheduled at other times that do not now receive credit. Then too, Spring and Summer weather is better for exercises that are primarily outdoors (where the public and disasters are any way!) and there are usually less schedule conflicts than in the fall. I'm on the ARRL Public Service Advisory Committee (PSAC) and we would like your input if any changes are needed.

Do you know who your Emergency Coordinator is? Got a question about the nets? Just tell me in which Wisconsin county you live, and I'll send you a list of contacts and nets. I also have various free reporting forms like EC SET Report (Form A), NM SET Report (Form B) and EC Annual Report (Form C). Good luck in SET. □

southern California. There was NO control of the packet airways, so packet traffic got crunched so badly that I turned off my TNC for two years. Southern California was out of control, and the only way to get control, as per the local Packet BBS organizers, was to get more 2 meter band frequencies. The original 145.010, .030, .050, .090, .360 MHz was expanded to 144.910, .930, .950, .970, .990, and 145.510, .530, .550, .570, .590 MHz.

And back-boning came to packet radio. The backbone SysOps got together and controlled the back-bone access to only certain approved users. They were able to control the number of BBS by who could get on the back-bone to get downloads.

Now, packet radio in southern California is outstanding. They still have problems with renege local Mailbox/BBS Lords and Node Kings, but they are disappearing. Technical operational stan-

Please turn to page 9

The Way I See It

PACKET JAMS!

A GUEST EDITORIAL

By D. R. "Kuby" Kubichek, N6JSX/9
1502 South 10th Street
Manitowoc, WI 54220

I just moved back to where my roots came from - Wisconsin! I left Wisconsin as WN9KAS and came back twenty years later as N6JSX. One of the first things I did was put up my packet station. Got to keep on top of those good (grin) deals that packet seems to be the new medium in. But, was I disappointed. Their was NO BBS I could easily get into from my home town. The closest was in Sheboygan. Then a real problem was discovered. 145.010 is a total mess. It's a zoo of nothing but crash, crunch, and timeouts. Manitowoc seems to be able to hear everywhere, too!

Last night at 0200 ours, I got into WISHE and for the first time I was able to list out the nodes. I saw 75 nodes in the WISHE NODE list - from ILL-noise to Upper Michigan. Also, over the past two

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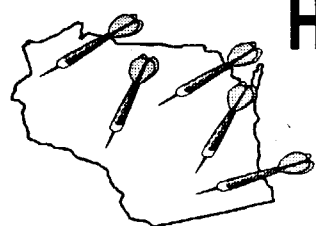
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HERE and THERE

Bob Beasley Cartoon Book Offered

"The Best of Beasley," a the first book by well-known cartoonist and Amateur Radio satirist, Robert Beasley, K6BJH, is now available from Worldradio Books. It features a sampling of his best cartoons covering the full spectrum of Amateur Radio, from childhood on through to the "After-ham," as well as ATV, the joys of mobile, club meetings, family life, and much, much more.

Bob's cartoons are featured monthly in *Worldradio*, as well as original works here in *Badger State Smoke Signals*. If you enjoy reading Bob's *Worldradio* cartoons, you're sure to enjoy all 112 pages of "The Best of Beasley." The book (a great Christmas gift!) is \$8.00, and is available from Worldradio Books, P.O. Box 189490, Sacramento, CA 95818-9490.

Adams County Radio Amateurs Form ARES Group and Radio Club

Ham radio operators and interested persons met on September 14, 1994, to form an ARES group and radio club.

Tom Liska, K9CJM, has been appointed Emergency Coordinator for Adams County.

The radio club, not yet officially named, organized, and the following officers were elected: Art Kratz, N9TD, President; Uke Minaga, W9DU, Vice President; Bette Kratz, WD9DLR, Secretary/Treasurer, and Art Fowler, KA9EFT, and Nick Segina, WB9YKK, Trustees.

The club will meet once a month after its organization is complete. All Adams County hams and those from the immediate area and all interested persons are welcome to attend.

- Bette Kratz, WD9DLR

1085 Blackhawk Lane, Friendship, WI 53934-9672

Slates Set for ARRL Elections

The nominating period for the offices of ARRL director and vice director in eight ARRL divisions has closed, and the ARRL Elections Committee has certified the eligibility of candidates. Here are the nominees for the League's Central Division:

Director: Ed Metzger, W9PRN, and Neil Rapp, WB9VPG.

Vice Director: Mike Hoshiko, W9CJW; Howard Huntington, K9KM; and Ken Ebnetter, K9EN.

- Condensed from *The ARRL Letter*, 8/29/94

FCC Reverses Stand on Free Commercial Licenses

The FCC has reversed an earlier decision that granted three companies free licenses for new wireless services.

The earlier decision was based on a so-called

"pioneer's preference," in recognition of the companies' technological contributions to the field. The companies, which planned a wide range of wireless personal communication services, told the *New York Times* that the reversal could cost them hundreds of millions of dollars.

The FCC said that it has "learned a lot" from recent auctions of frequencies and decided that it was unfair to award a handful of free licenses when others would have to pay for frequencies. The FCC plans to sell at auction in December these frequencies, which include 2-GHz personal communications services (broadband PCS); local multipoint distribution service (LMDS); and low Earth orbital satellite service in the 1.6/2.4-GHz band (so-called "Big LEOs").

The FCC said that its earlier "pioneer's preference" decisions had been tentative, before Congress formally authorized frequency auctions.

The three companies - American Personal Communications (controlled by *The Washington Post*), Cox Enterprises of Atlanta, and OmniPoint Communications - were given two options for paying for their frequencies, based on the outcome of the December auction.

- *The ARRL Letter*, 8/29/94

New ITU Radiocommunication Director

At the ITU Plenipotentiary Conference in Kyoto, Japan, on September 30, the International Telecommunication Union elected Canadian radio amateur Robert W. Jones, VE3CTM, to replace retiring Richard C. Kirby, W0LCT, as Director of its Radiocommunication Bureau.

Jones, 50, of Ottawa, is currently the Director General of the Radio Regulatory Branch, under Industry and Science Canada, which regulates amateur and other radio services. His work with the ITU began in 1975 in preparation for the 1977 and 1979 World Administrative Radio Conferences. From 1981 to 1983 he was director of a project to automate ITU frequency records. He has since served and headed Canadian delegations to numerous ITU conferences and working groups. He holds Master of Applied Science and Master of Business Administration degrees, and attributes his professional interest in radiocommunication to having become a licensed radio amateur as a teenager in 1959.

- *ARRL Bulletin ARLB076*, 9/30/94

Lewiston, N.Y. Severely Limits Towers, Despite PRB-1

On Monday, September 12th, the town board of Lewiston, New York, a small town north of Niagara Falls, passed a tower limitation law stating that any attached or free-standing tower erected may not exceed 35 feet in height, and is limited to one tower per acre. But hams are given the privilege of having two towers every 20,000 square feet.

Several hams, including Brandy Scrufari, WB2DNQ; Don Burrows, KO2J, Communications Officer for Niagara County RACES, and I attended the public hearing and stated to the board the existence of FCC document PRB-1 which gives Amateur Radio stations a complete and total exemption from any tower law (*not quite* - *Westlink Report* editor). We also stated the ruling has been successfully defended in both state and federal

Strike Up The Band!

By Barb Regent, N9DIJ

It is an overcast Saturday morning when 38 people climb aboard the waiting bus with their musical instruments, change of clothes and band uniforms on their way from South Milwaukee to Baraboo.

They are the South Milwaukee Municipal Band under the direction of Jay Huneink. One of the clarinet players is Rich, K9GDF, and band helper is Barb, N9DIJ (who helps with audio on the home concerts). We arrive at Baraboo at about 10 a.m., and have a few moments to put our instruments together and get ready to play in the Circus Big Top.

First, we tightly squeeze together inside the tent on a section of the bleachers with little red chairs and lit by one spotlight. Next, we play one march after another until the audience is seated and the show is about to begin. Happy the Clown sneaks up behind the director and imitates his conducting. We begin to giggle while trying to play. Jay turns around, notices the clown, and turns the baton over. We later joke about one clown being as good as the other.

We get to watch the complete circus show and afterward play as the audience leaves. Finally, we move the music stands and instruments to a small grass triangle near the food concessions and play several more marches.

Music can be lots of fun, but now we tour the rest of the Circus World Museum and see the colorful wagons, circus memorabilia, train cars, animals, and gift shop. It is time to return home.

Our bus even drives near the famous BSSS Headquarters; we wave and hope office workers there see us. (*Sorry Barb, I didn't.* - BSSS editor).

courts.

The response from Councilman Michael Curtis was "ask for an amendment, don't sue us." Town attorney Edward Jesella said that PRB-1 needed to be looked at closer to see if he could recommend the amendment.

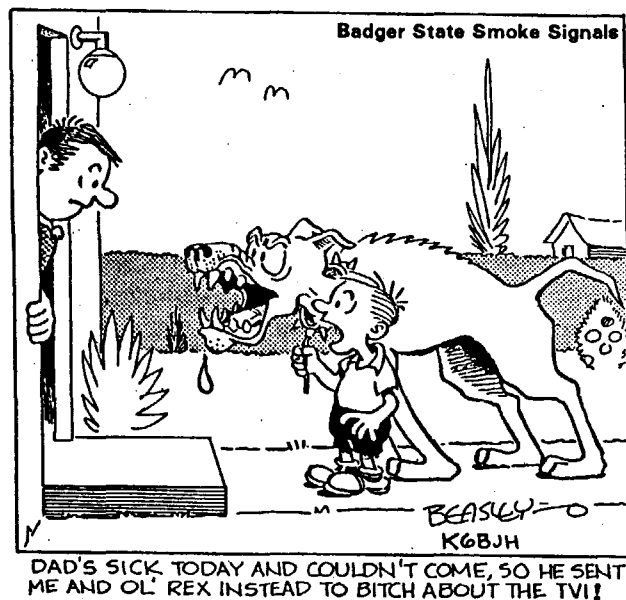
The board also stated that there was no intention to restrict hams at all and there needed to be a law on the books to protect the town after a recent 3-year battle with a local radio station WTOR, which at first proposed to the town to place 3 AM radio towers along Langdon Road in the Town of Lewiston. There was a long battle only to have it settled in New York Supreme Court in favor of the radio station, which plans to run 5,000 watts directed into Canada after the Canadian communications agency denied him a license.

As of this time, attorney for the town Edward Jesella is reviewing PRB-1 to see if any changes could be necessary.

- Jim Laughlan, N2ETE, via GENie in *Westlink Report*, 9/29/94

OOPS! We're Late With This Issue

This issue of BSSS went to press later than it should have. We'll tell you why in the next issue; suffice it to say for now that Ken injured his arm, and I had something I had to do with and for H.I.S. Jeans. Thanks for your patience, kind readers.



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October 1994

The Computer Corner

By Stan Kaplan, WB9RQR
1541 North Laguna Drive
Mequon, WI 53092-3119

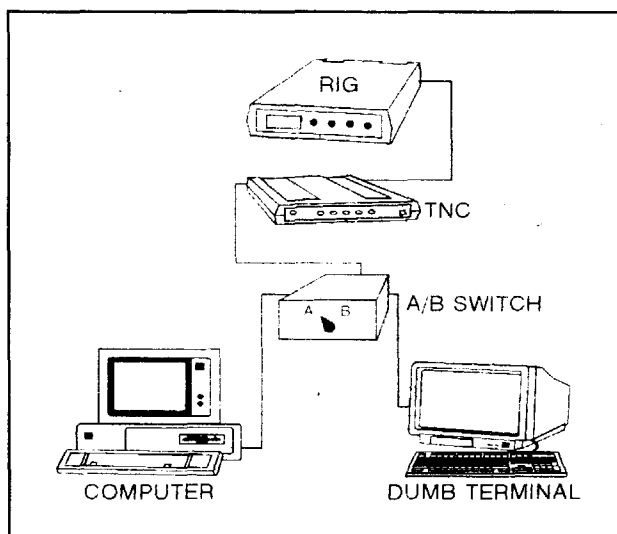
HOW TO NOT USE A COMPUTER

Number 15 in a series

This time, I would like to tell you how to NOT use a computer. Read carefully. I don't mean How NOT To Use a Computer, but rather, How TO NOT Use a Computer (even if you have one). Put in other words, the message of this article is: You don't need a computer to run a packet station. That is an absolute truth: *A computer is not a necessity for a packet station.*

Back in the late 1970's and early 1980's, the rage in many offices was multi-user systems. The computer itself was darned expensive - too expensive to give each user their own. The answer was to buy just one, and to sprinkle "dumb terminals" throughout an office, all connected to the same computer by wire. The dumb terminal consisted essentially of a monitor and keyboard, often housed in a single case. In that way, many users could compute simultaneously.

It worked, though the computer got slower and slower with every user that logged on to write a letter or run a program. Well, many of those dumb terminals are still around, and they are a ham "goldmine". They are cheap (\$10, 5, free). Some people have been known to give you a dollar to take one away. The punchline is, they will do a great job



of running a packet station.

ADM 3, ADM 5, Televideo 950, Wyse and Freedom 100 are just a couple of the many brands out there. Look for one at the next swapfest. You can recognize them because they look like a computer, but they have no floppy drives. Sometimes the keyboard is detached, but connected with a coiled cord. In other instances, the keyboard and screen are in a single case. Look at the back - you will typically find two 25-pin female connectors. One is for a printer, the other to communicate with your packet Terminal Node Controller (TNC). Somewhere back there or under a cover in the front will be one or two dip switches, to set the baud rate, parity and all that other esoteric stuff required by the TNC. Most often those switches will be clearly labeled right on the case.

Once you set those switches properly and connect the terminal to your TNC with the correct cable, you are in business! You can send messages and receive messages perfectly. One can communicate with the world, using a dumb terminal. Piece of cake!

What can't you do? You cannot save a message on a floppy disk, since a dumb terminal doesn't have one. Similarly, you cannot upload a message previously written and saved to a floppy. But you can do everything else, including printing messages as they come over the air. Just hook a printer up to the 25 pin connector mentioned above.

This article is not just about how to not use a computer if you don't have one, it is also about how to not use a computer, even if you do have one! Here is what I do.

As I type these words on my computer, I can glance to the right of its screen and watch packet messages coming over the air, displayed on my dumb terminal. I could move over a little and type a message on the terminal's keyboard, to be sent out over the air. On the other hand, if I want to capture a message from my TNC to disk or hard drive, or if I want to send a message from disk or hard drive out over the air, all it takes is a flip of the A/B switch (\$7 - \$15) sitting on my desk. That switch will disconnect the dumb terminal from my TNC and connect my computer.

It's the best of both worlds: I can choose to use my computer for packet, or to use it for other tasks while my dumb terminal handles packet duty and displays what is happening for me to see at a glance! What could be better? Above is a diagram of the setup. It's really easy! A dumb terminal, A/B switch and extra cable is all that you need. If you invest the time and effort to set up the station as shown, you will never, never go back to a conventional setup. I promise. This setup is just too sweet! Have fun! □

Reprinted, by permission, from the ORC Newsletter, Ozaukee Radio Club, P.O. Box 13, Port Washington, Wisconsin 53074 (Ray Meyer, N9PBY, Editor). □

LF AND Down

By Dave Spearing, KB9CSW

910 Prospect, Portage Wisconsin 53901-1935

I just picked up the September issue of 73 and found some interesting articles which deal with LF, either directly or indirectly.

The first article, "The Challenge of 1750 Meters," page 36ff. explains how to build a transceiver for the 1750 meter band. The receiver portion would be a worthwhile project by itself. I would suggest that U5 be changed to an 8 volt or perhaps even a 5 volt regulator (7808 or 7805), since 8 volts is the maximum voltage recommended for the NE602. The \$89 for the kit sounds rather reasonable. If any of you do build a kit, please let me know how it works.

The second article is titled "The Discriminator," page 16ff. This circuit could be adapted to the 1750 meter band by increasing the number of turns on the coils and paralleling fixed capacitors with the present ones. The exact values would have to be worked out and played with to achieve good results. I once read an article about an experimenter who built a similar antenna for the 1750 meter band, only his ferrite rod was 15 feet long! Yes, he did glue a LOT of rods together. Despite the awkwardness, it was very effective.

The last article was under the department "Above & Beyond," page 64ff. I recommend this article because the author has some good suggestions for antennas for LF reception, as well as some other interesting material.

For those who wish to check out a LF BBS, the number is 706-672-0360. The essential parameters are: 8 bit word, 1 stop bit and no parity (8N1), and use the Xmodem protocol for up and downloads. I have not tried to log on yet, but I plan to soon. □

U.S. EPA Administrator Meets Section Manager

The leader of the U.S. Environmental Protection Agency visited the Milwaukee Water Works, and took a moment out of her whirlwind schedule to talk to K9GDF. Carol Browner, Administrator of the EPA was greeted at the front door of the Howard Purification Plant on August 8, 1994, by Richard Regent, K9GDF.

Rich was wired up with two lapel clip radio microphones with transmitter and battery packs and surrounded by reporters, photographers and TV cameras as he gave Ms. Browner a tour of the Plant and chatted. The tour lasted only about 40 minutes. TV camera operators at times had to walk backwards as fast as they could go while being guided by their by companion announcers who had hold of their pants belts, as Ms. Browner and Rich walked forward and chatted.

The publicity reached at least four TV channels, even K9ZZ reports seeing Rich on WISC-TV in Madison. Eventually there were clippings from 12 different Wisconsin newspapers collected that printed photos and stories about the visit.

She used the visit as a kickoff for an update of the Surface Water Treatment Rules governing all water quality standards in the U.S. The Administrator was down-to-earth, pleased with the tight standards developed and implemented at the Howard Plant, and very concerned about upgrading the country's water standards.

- Rich Regent, K9GDF



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Wisconsin Valley Radio Association

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The Wisconsin Valley Radio Association welcomes everyone who has anything for sale to come and join our Tailgate Party. Sale items can be anything from ham equipment, electronic equipment, to crafts or flea market items. EVERYONE IS WELCOME!

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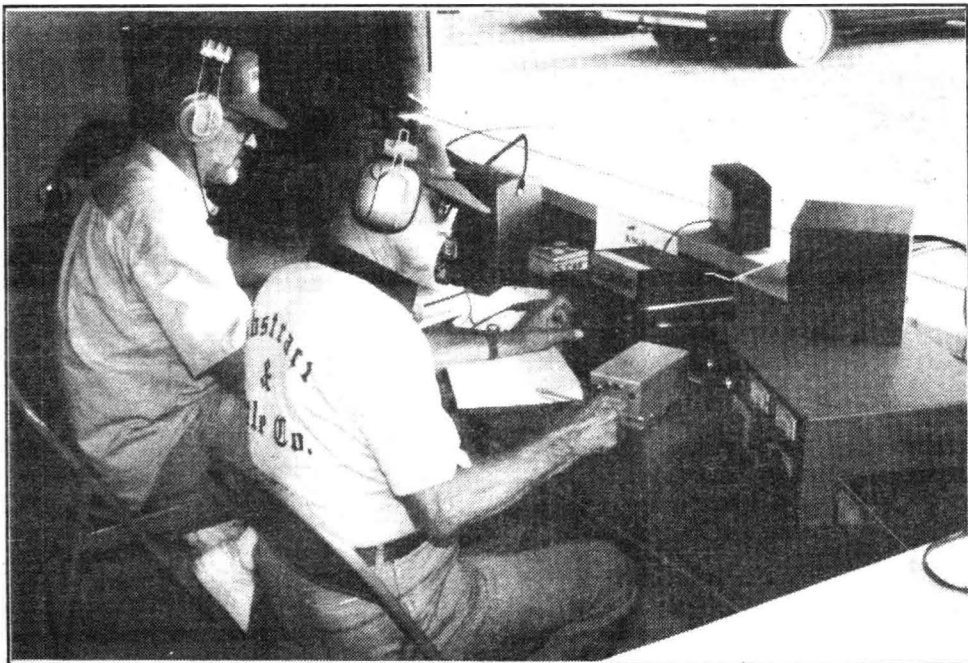
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1994 Field Day Fun - in Photos

Washington County Amateur Radio Club



THE KEY TO QSOs: Paul Ripple, W9SIZ (right), paddles out the contacts, while Don Woelz, K9GR, logs at the WCRAC Field Day HF CW station.



Enjoying operating at the WCRAC Novice station are Brian Woelz, N9OFD (background), while Bob Stockfish, AA9EF, logs 'em in.

ManCoRad's First "T" Hunt

By D. R. "Kuby" Kubichek, N6JSX/9
1502 South 10th Street
Manitowoc, WI 54220

Last night, I was requested by members of the ManCoRad club to put on a "T"ransmitter hunt, and to teach interested club hams how to get started in "T" hunting. My plan was to hide a transmitter within a quarter of a mile (walking distance) of the meeting location. I was going to begin their "T" hunting experience by teaching them how to use their 2-meter HTs, with a piece of aluminum foil, as a transmitter RDF sniffer.

Prior to the meeting, and with heavy fog rolling in, I hid the transmitter (an IC-O2AT at 200mW, cassette tape player with a five-minute endless loop tape with random computer-generated tones, and my CD ID, inside a waterproof 50 calibre ammunition box with a BNC feed-through bulkhead connector and a simple quarter-wave home-made antenna. The transmitter was just north of the meeting location, across the river by the old Soo Line car ferry docks. You would have to walk across the Tenth Street bridge to get to the transmitter.

Unfortunately, the meeting ran very late due to extreme political discussions. Consequently, many of the members who came to the meeting for this presentation left early, missing my "T" hunt discussion.

The techniques of body shielding, going off frequency to increase signal attenuation, removing the antenna and its significance, using the radio's "S" meter, and what to listen for on the radio audio were discussed.

I showed the group and explained to them how a K6BMG Super DFer works.

Due to the late hour of the meeting, I tried to make my discussion very brief, and discussed only the basics. I would assist all the hunters in the parking lot. I commenced the hunt as soon as possible, and it was lucky I did. Within 30 minutes of the start of the hunt, a torrent of rain hit us. It came down so hard that I called off the hunt (worrying about the hunters' personal safety) and told everyone the general location of the hidden transmitter. A number of the hunters followed me over to the hidden transmitter site. But, as luck would have it (or typical Wisconsin weather), the rain stopped as quick as it started. I helped the

Wisconsin DXCC Field Representatives

By Richard Regent, K9GDF
5003 South 26th Street, Milwaukee, WI 53221

Wisconsin DXCC Field Representatives are standing by to help new DX Century Club applicants. Give them some business. The ARRL DXCC award is presented to those amateurs who submit QSL-card proof of working at least 100 different countries. Here are a few Wisconsin Field Reps:

Name and Call	Address	City and Zip
Thomas Banks, N9ER	1692 Shāngra La.	Neenah 54956
Peter Byfield, K9VAL	4534 S. Hill Ct.	De Forest 53532
Arthur Caswell, KE9LK	1462 Mailed Dr.	Manitowoc 54220
George Croy, W9MDP	318 E. Brewster St.	Appleton 54911
Robert Gorsiski, WA9DDX	1123 David St.	Racine 53404
Ron Gorski, N9AU	2330 W. National Ave.	Milwaukee 53204
Gary Hoehne, KB9AIT	W-8244 Winnegamie Dr.	Neenah 54956
Frank Holliday, WB9NOV	23 Walworth Ct.	Madison 53705
James Hugo, KE9ET	5502 Pheasant Hill Rd.	Monona 53716
David Jaeger, WN9Q	11913 Sunnyslope Rd.	Whitelaw 54247
Herb Jordan, W9LA	6318 Putnam Rd.	Madison 53711
Myron McCone, K9JJR	6899 County Highway K	Rhineland 54501
John Meyer, NZ9Z	P.O. Box 146	Kellnersville 54215
Jim Promis, WY9E	3745 Rolling Heights	Oneida 54155
Richard Roll, W9TA	14880 W. Maple Ridge Ct.	New Berlin 53151
Gerald Scherkenbach, N9AW	5952 S. Elaine Ave.	Cudahy 53110
Ed Toal, WI9L	5141 Sunrise Ridge Trail	Middleton 53562

Their vast DX experience enables them to answer most DX questions, field check QSLs and handle DXCC paperwork. To qualify as a DXCC Field Representatives an amateur radio operator must be an ARRL member, have a DXCC award endorsed for at least 300 countries, must be nominated by a DX club and receive approval from our Central Division Director. So now you see why I recommend that you check with these folks with your DXCC needs.

To streamline the process, Field Reps recommend that applicants sort QSLs according to the instructions given on the DXCC Award Application form, basically to sort and list QSLs in a certain band and mode order. Let me know if you need a DXCC application form MCS-505.

There are DXCC categories for modes: mixed, phone, CW, RTTY and satellite; and bands: 160, 80, 40, 10, 6 and 2 meters. Also, there's a first-time registration fee of \$10 for all amateurs, but one free update submission each year is granted for League members.

Because there are now over three hundred different countries, a list which seems to continually change, Reps aren't authorized to approve all countries; QSLs from certain Russian or rare countries must be sent to ARRL Headquarters for final determination and approval. Excluded from field checking of QSLs are endorsements of existing awards: 5BDXCC; 160-, 6- and 2-meter DXCC; and Satellite DXCC. Yet, the help of DXCC Reps' for most first time applicants makes the chore quicker, safer and maybe friendlier than sending a bundle of QSLs to Headquarters.

If you would like to know more about DXCC award qualifications, please contact our DXCC Representatives. Some of the Reps will have a table set up at the Fox Cities Hamfest at the Starlite Club, Highway 55 north of Kaukauna on November 6, 1994.

remaining hunters in sniffing out the transmitter that was in the high (and very wet) undergrowth, near the dock area.

T Hunters	Results
KE6ATX, Ryan	Fount the transmitter
KB9INK, Bob	First in the area and first to find the transmitter
WD9IAB, Eric	Found the transmitter
N9VIC, Craig	Caught in the rain downpour
N9VIA, Oran	Caught in the rain downpour
WB9VIM, Lyle	Lost and never heard from again
N9PZT, Terry	Found the transmitter

Overall, I was impressed with the hunters. I think we all learned a few things, such as meeting's bank building reflects signals too darn well and misled many of the hunters. I didn't understand the problem until I tried to sniff out the transmitter and found myself walking in circles around the north wide parking lot. On the next hunt, I bet a few will have rain gear and a good flashlight.

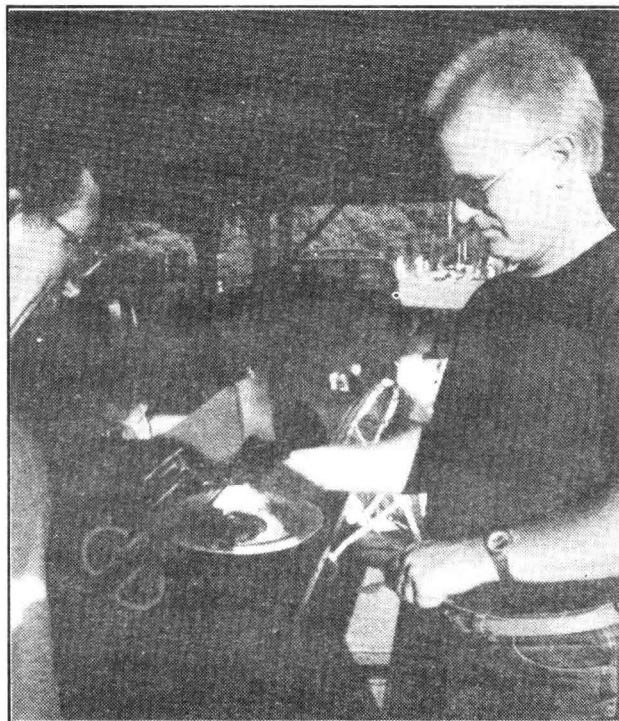
I will be putting on another "T" hunt for the ManCoRad club before the next meeting, in October. The "T" will transmit on 146.565 MHz with 200mW and a vertical antenna, and will be turned on at 6 p.m. sharp (1.5 hours before the meeting). Hunters can start anywhere. The hidden "T" will be within a 1/2-mile circle of the club meeting location. I will monitor the club 146.610 repeater for checkins and assistance. Good luck to all! Hunters, watch out for traffic when walking around Manitowoc searching for the elusive "T"!

I will give over-the-air hunting "How To" discussions with interested hams just after the ManCoRad weekly VHF club net(s). At the next club meeting, I

Wisconsin Valley Radio Association Holds Annual Picnic



Dody Neubauer, KB9FRB, holds the "newest ham," Zach Baumann.



Arnie Patton, N9KJK, cooked mostly excellent chow. He also invented "Arnie's Jerky."

The WVRA annual picnic this year was held at Blue Gill Bay Park in Wausau.

Over twenty people attended the picnic, including our "newest ham," Zachary Baumann. Being only about six weeks old, he was definitely the center of attention.

Our unofficial chefs were Mike Wild, KB9DED; Michael Duckett, N9SDN; and Mike Matakovich, N9IAB. They did a fine job of grilling

for everyone. Later, Arnie Patton, N9KJK, tossed on the last of his steaks. Being Arnie, he naturally got involved in visiting with everyone and forgot his steaks. Needless to say, he was *not* able to interest anyone in "Arnie's Jerky!"

There was plenty of good food, drinks, and good conversation, and a good time was had by all who attended.

- Dee Duckett, N9SDM, Secretary, W.V.R.A.

Fox Cities Amateur Radio Club

HAM & COMPUTER FEST '94

SUNDAY, NOVEMBER 6

STARLITE CLUB KAUKAUNA, WI

AMATEUR RADIO, COMPUTER, SWAP TABLES,
VE TESTING AND MUCH, MUCH MORE.

The hamfest this year has been expanded to better suit vendors and FEST goers. The cost of admission includes one chance at the grand prize. More chances can be purchased separately. **DON'T MISS OUT!**

\$6.00 Tables

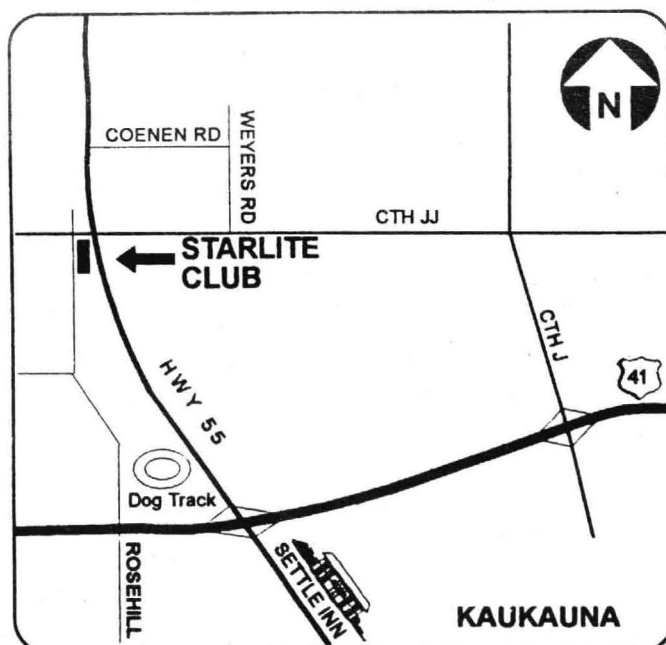
\$4.00 Admission

6:00 a.m. Vendor setup

8:00 a.m. Doors open

For more information on table locations available, table reservations or special rates on local lodging write to:

Dan Vanevenhoven
N9LVS
2410 E. Newberry
Appleton, WI 54915
(414) 739-5101



*VENDORS: Special Lodging Rates at the Settle Inn of Kaukauna.
(414) 766-0088

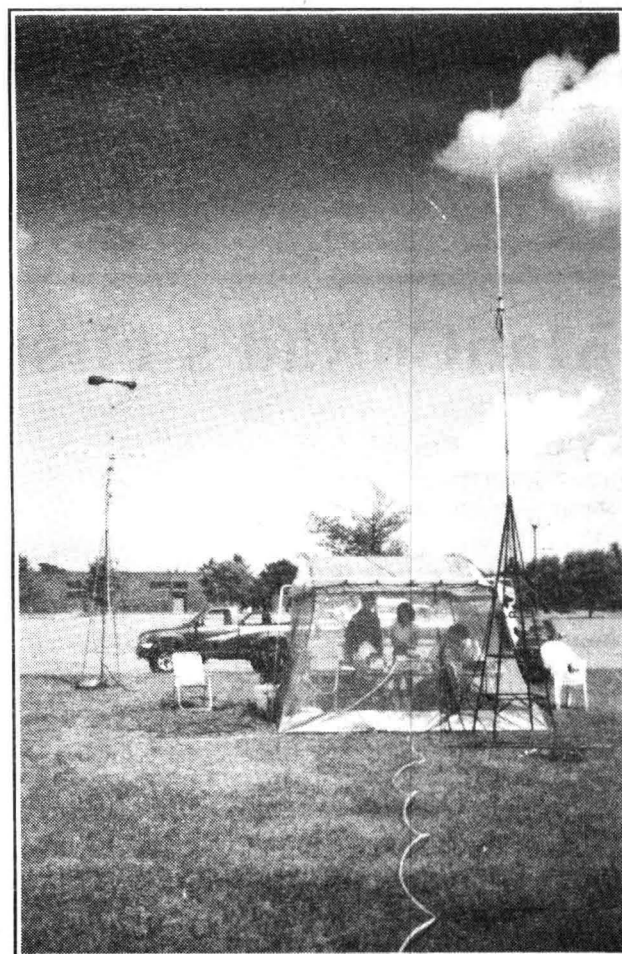
Talk-in 146.76- PL 107.2

1994 Field Day Fun - in Photos

Wisconsin Rapids Amateur Radio Club W9DQA



Busy at the Wisconsin Rapids Amateur Radio Club's Field Day site were John Lukes, WB9QXO, and Richard Koch, N9UBV, getting ready for action as they set up a tower base section.



The Rapids gang tried satellite work from this tent, which housed the satellite and VHF equipment. They didn't tell us how they did.

- Photos courtesy of Ron Tlachac/W9UW

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KEN HUTLER

Packet Jams!

Continued from page 4

dards were introduced to help make system nodes and BBS's more successful. No more than 25 watts power, antenna heights of 20 feet, antenna gain of no more than 7 db, and, where needed, nulling sticks were placed on an antenna - all in an effort to minimize distant area listening problems. All back-bone links, typically, run 10 watts on beams, depending on the geographical situations.

I see that Wisconsin packet radio is going through some of the same pains that Southern California went through over five years ago. No one likes imposed controls on their station, but for the good of the system, these types of controls may need to be considered to make packet radio a success in Wisconsin.

I further suggest that specific local geographical area packet frequencies be established. This would help minimize packet area operational overlapping. Basically, this could be like putting Manitowoc on 145.050, Green Bay on 145.070, Sheboygan on 144.990, Appleton, Neenah, Menasha on 145.590, Wausau on 145.050, Sturgeon Bay, Marinette on 145.030, Fond du Lac, Oshkosh on 145.030, Rhinelander on 144.990, Madison on 145.070, Janesville on 145.050, etc. A local supernode for BBS and key-to-key chat would service a specific area, with minimal distant traffic overlapping interference. The local full service BBS's will be back-boned on 440, so only local access is the consideration.

I also suggest that packeteers be encouraged to turn off the digipeat mode in their TNCs. It's an old, useless, and frequency-cluttering mode of packet operation. The only good digipeating serves is to connect to yourself to test with. Digipeating is as useful as AM on 2 meters.

I'm sure the DX Cluster types will scream they must have their own dedicated frequencies; they seem to have the least understanding of how packet radio works. (I suspect they think HF rag chew domination of a frequency is the typical packet operating mode.) The southern California DXers were also one of the biggest pains to packet radio; they usually had the money, age (Hey, Kuby, I ain't exactly no youngster - BSSS editor), political clout, and equipment to force their desires. I suggest that two dedicated frequencies (144.910 and 145.510) be setup for shared DX/Weather Clustering and APRS operations. Cluster links can be put on 220.

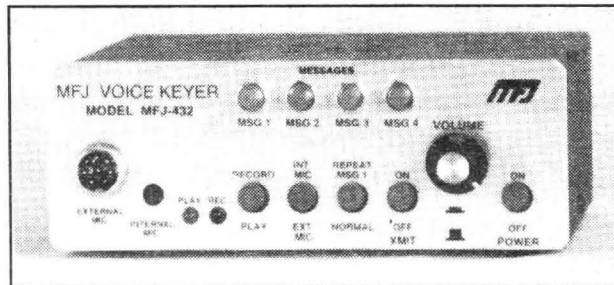
WAPR will have its work cut out for them in the next few years. Some political infighting will occur, and some packeteers will fight for the sake of fighting and for personal greed. But, preserving a focus on the good of Wisconsin Amateur Packet Radio needs to be maintained. Remember, packet radio is the best, quickest, and most reliable method of communicating emergency traffic!

I moved back here for a reason - Wisconsin is the best place to live and play!

- 73, Kuby, N6JSX/9

NEW PRODUCTS

MFJ-432 VOICE KEYS



Ever wondered what kind of tricks you could pull if you had a clone? Let your clone do the work for you with the new \$99.95 MFJ-432 Voice Keyer!

Now you can have a cloned voice with the new MFJ-432. Let it call CQ, send your call, and do contest exchanges for you in your own natural voice!

With your voice cloned, you can operate most of a contest without ever using your own voice. You can store four natural-sounding messages for a total of 20 seconds. EEPROM technology will keep messages stored for up to ten years without any backup battery needed.

With your voice cloned, you can store frequently-used phrases like "CQ contest, this is AA5MT," "You're 59," and "QTH is Mississippi." You can also repeat a message continuously. It makes it a lot easier when you're calling long CQs during poor band conditions.

The MFJ-432 Voice Keyer is so easy to use - just plug your 8-pin microphone cable into the MFJ-432 and plug the MFJ-432 pre-wired cable into your transceiver's 8 pin mike connector. Internal jumpers let you customize it to your rig (Kenwood, Yaesu, or Icom).

The MFJ-432 has a built-in speaker that lets you monitor stored messages. It also has a jack for remote control operation. The Voice Keyer uses a 9-volt battery (not included), or 120 VAC with the MFJ-1312B (\$12.95), and measures 6 1/2 x 2 1/2 x 6 1/2 inches.

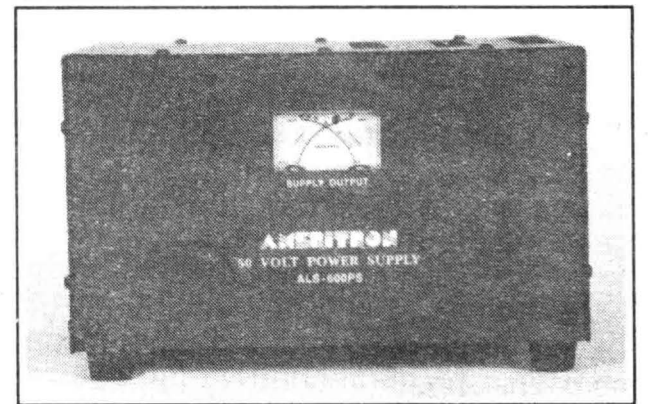
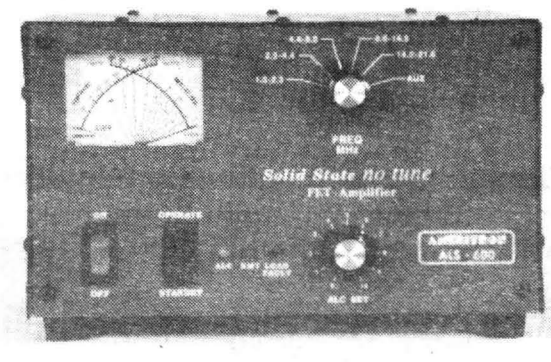
The MFJ-432 Voice Keyer comes with MFJ's famous full one-year unconditional guarantee.

For more information, or to order, contact any MFJ dealer, or MFJ Enterprises, Inc., P.O. Box 494, Mississippi State, MS 39762, or call (601) 323-5869; FAX (601) 323-6551, or order toll-free at (800) 647-1800.

- MFJ news release

ADVERTISING SALES REPRESENTATIVE NEEDED

Badger State Smoke Signals needs an advertising salesperson. A commission is paid, as are certain expenses. If you are interested, please contact Publisher Ken Ebner, K9EN, 822 Wauona Trail, Portage, WI 53901, or call Ken at (608) 742-3560.



Ameritron's new No Tune Solid State FET amplifier, the ALS-600, features an unbelievably low price of \$1299, and includes some of the most outstanding features you have seen! It features a no tuning, no fuss, no worries policy that includes AC power supply, 600 watts PEP/500 watts CW, continuous 1.5-22 MHz coverage, an optional 10/12 meter kit (\$29.95), instant bandswitching, no warmup, no tubes to buy, and is fully SWR protected.

Ameritron's revolutionary ALS-600 in Amateur Radio's only linear amplifier that uses four rugged TMOS RF power FETs - it gives unequalled no-tune solid state performance.

With the ALS-600, there is no tuning, no warmups; all you do is turn it on and operate. Ameritron's newest genius also features SWR protection and over power protection. If you switch to a wrong band, use the wrong antenna, or have a high SWR, our protection mode will prevent amplifier damage. If your forward or reflected power output exceeds a safe level, the output power is automatically reduced to prevent amplifier damage by controlling the ALC to the exciter.

The ALS-600 is extremely quiet - it has a low-speed, low volume fan that is so quiet you'll hardly know it's there. It is also extremely compact, only 6 x 9 1/2 x 12 inches. The ALS-600 will take up less space than your transceiver and almost weighs the same, only 12 1/2 pounds.

The ALS-600 also features an illuminated cross-needle SWR/Wattmeter which lets you read the SWR, forward and reflected peak power simultaneously, and a front panel ALC control lets you adjust your output power. This is an exclusive Ameritron feature.

The ALS-600 also has a special and separate power supply (ALS-600PS, in lower photo) which can be placed conveniently out of the way and plugged into your nearest 120 VAC outlet - no special wiring is needed. The ALS-600PS comes equipped with a massive choke input filter, which

Please turn to page 13

ManCoRad's First "T" Hunt

Continued from page 3

will present to the club hunters a preliminary set of "T" hunt guidelines to be used for future club hunts as the membership's hunting abilities expand and more challenges are requested.

Other items that I will assist the club's "T" hunting efforts in are:

- How to make and assist in making a simple 2-meter mobile quad antenna for "T" hunting.
- How to modify your mobile VHF radio for internal RF attenuation and how to make a simple external radio RF attenuator.
- The making of a ManCoRad club hidden "T"ransmitter (with the club callsign W9DK), so the winner of the hunt can try his skills at hiding on the next hunt.

73, and happy hunting!

"Kuby's" Amateur Radio Background and History

- Senior Electronics Test Engineer and Electronics Production Supervisor.
- Well-known and winning Southern California "T" Hunter for more than ten years.
- Published "T" Hunting-related articles in 73 Magazine and assisted K0OV in his "Homing-In" column in 73 Magazine.
- Assisted in many WB8ELK balloon launch payload hunts.
- Guest speaker at various HamVentions; Fresno and Ventura.
- Published various antenna design articles.
- Creator of the N6JSX Seismic Monitoring programs and circuits.
- Featured as one of the first "T" Hiders in Transmitter Hunting book by K0OV (pages 21, 88, and 89).
- One of the first ten hams who obtained membership in the special Amateur Auxiliary RDFers for the Los Angeles FCC before the current OO/AA program and PL-259 was adopted.
- Past Los Angeles ARRL Section Official Observer Coordinator, 1987-89.
- First ham license (WN9KAS) received in 1972, from Lincoln High School, Manitowoc, Wisconsin.

PARTICIPATING Clubs and Organizations

Wisconsin Valley Radio Association

Dee Duckett, N9SDM, Secretary

P.O. Box 363 • Wausau, WI 54402

Six Meter Repeater: 51.74 Input/51.24 Output

AUGUST MEETING

At 7:34 p.m., the regular monthly meeting of the W.V.R.A. was called to order by President Mike Wild, KB9DED.

The minutes of the last meeting were read by Secretary Dee Duckett, N9SDM. A motion to accept the minutes was made by Don, N9NQY, seconded by Paul, N9IOG, and approved by the membership.

Mike, N9IAB, read the treasurer's report. Jack, N9LIA, made a motion to accept, Craig, N9QWR, seconded, passed by the membership.

Members in attendance were: N9SDN, N9LIA, N9NGN, N9PCH, KB9DZG, N9NQY, N9TTA, N9IOG, N9NQY, KB9FRB, N9UAG, K9BX, KB9CKR, N9QWR, N9SDM, KB9DED, and N9IAB.

KB9DED would like some help getting a lesson plan started for some ham classes. He wants to know if the club wants to just teach question and answer, or go more into theory and hands-on demos. Paul, N9IOG, would like to see more emphasis on "operating procedures" and etiquette.

Jack, N9LIA, reports that the NTC parking lot availability for a hamfest is a possibility. K9BX commented on the declining interest of hamfests, Stevens Point being so slow, Eau Claire down about 20%. Membership discussed what charges to make, if any. KB9FRB said that we should make sure it is WELL publicized. There was discussion on whether or not to have food. It was suggested that it be kept

very simple, with as little cash outlay as possible for the first year at least. A Tailgate Hamfest and Flea Market committee was formed, with N9QWR, KB9FRB, N9LIA, N9SDM, and N9NQY. Membership will help to get it out to all nets once things are finalized.

N9SDN asked if the club antenna has been permanently mounted on the chalet at Nine Mile. Per N9IAB - yes.

KB9DED informed members that Sheila, N9TVS, has resigned her position on the board. He also informed the membership that Michael Duckett, N9SDN, was appointed by the board to fill the vacancy until the next regular election.

KB9DED called for the Employee Identification Number for our tax exempt application. He reminded members that we need a complete list of club activities past, present, and future. He also asked past chairmen to try to recompile their lists of volunteers.

Rich Maier, KC9NW, was not present at the meeting to talk to the membership about ARES. He had been asked to attend. KB9DED and several members feel that we really need to have an official ARES group, as there are numerous advantages when a disaster hits. N9LIA suggested that the club invite Fred Dorava from the EOC to a meeting to discuss this matter.

At 8:18, N9SDN made a motion to adjourn the meeting, N9TTA seconded, and motion was passed by the membership.

Taylor County Area Amateur Radio Club

Mike Schoenfuss, N9GHZ, Secretary

P. O. Box 401 • Abbotsford, WI 54405-0401

MEETING ANNOUNCEMENT

The next regular meeting will be held on Thursday, October 6th at 7 p.m. in the Emergency Government meeting room located in the basement of the Sheriff's annex to the Taylor County Courthouse, corner of 2nd and Ogden Sts., Medford, WI. Talk-in on the 147.15 Medford repeater (+600 kHz) or 146.52 MHz simplex.

EXCERPTS FROM MINUTES OF SEPTEMBER 1, 1994 MEETING

Meeting was called to order by President N9GEN. Present were N9GHZ, N0IMJ, W9QHI, WA9YCT, N9GEN, KB9BLV, KA9WDX, N9UBQ and N9UBR.

Minutes of the August 4, 1994 meeting were read by Secretary N9GHZ. Treasurer's report was presented by Treasurer WA9YCT.

Club President N9GEN and Taylor County Emergency Government Coordinator N9UBQ discussed the weather net conducted on the 147.15 Medford repeater on August 27th.

The repeater was reported as having been off the air on August 24th, possibly sooner, but that was the first it was noticed. Northway Communications repaired it on August 26th, and it is working good again. Damage was due to lightning entering the repeater controller via the telephone line. Apparently, the phone line had not been grounded when the repeater was moved to the new shed last fall. The contract with Northway does not cover damage due to the effects of lightning. N9UBQ will check to see if the county's property insurance policy will cover this, and Midway Telephone Co. will also be contacted to request that the phone line problems be addressed and to also see to what extent their liability might be in this matter.

It was reported that there is another new building at the tower site where our repeater is located. It is reported to have been put up for the sole use of the cellular telephone company's equipment.

Access to keys for the repeater shed and cabinet were discussed. N9GHZ presented a preliminary plan and memo to the members present which would basically involve having just one set of keys available. It would be kept in the Communications area of the Taylor County Sheriff's Dept. which is operation 24 hours a day, 365 days a year. A list of individuals having authority to access the keys would be provided to the Sheriff, and a check out log would be maintained for those checking the keys out. Identification would also be required before the keys would be released to any individual. The members present approved this proposal with one change, that being the addition of one more person from the immediate Medford area to the list of those having permission to access the keys. N9GHZ will discuss this proposal with Emergency Government Coordinator N9UBQ.

There was nothing new to report concerning the FCC and Northway Communication's investigation into RFI reported by the Taylor County Sheriff's Dept., which is believed to be the same RFI source that

has been plaguing our 2-meter repeater.

KB9BLV reported that the old repeater hardware, cabinet and manuals have been delivered to a member of the Black River Wireless Assn., and payment of \$50.00 has been received. Plans call for putting that repeater back on the air from a location in Neillsville. Also, plans are still going ahead for moving the 145.27 repeater from Dorchester to Loyal.

Motion by N9GHZ, seconded by KB9BLV to renew the club's membership in the Wis. Assn. of Repeaters for 1994. Motion carried.

N9GHZ discussed the SAREX (Shuttle Amateur Radio Experiment) program, and showed a videotape of a ham radio contact between students at the junior high school in Hudson, WI and astronauts aboard an orbiting space shuttle that took place in the Spring of 1993. N9GHZ reported that he is presently working on an updated application for this program for several schools in the Taylor/Clark County area. N9GHZ discussed how the club could play a part in any contacts arranged.

Motion by N9GHZ, seconded by N9GEN, to have the Taylor County Area Amateur Radio Club sponsor and support N9GHZ's application to the SAREX program. Motion carried.

Motion was adjourned.

CLARK/TAYLOR COUNTY AMATEUR RADIO EMERGENCY SERVICE (ARES) NEWS

Mike Schoenfuss, N9GHZ
ARES Emergency Coordinator

Don't forget to try to check into the weekly ARES net held Wednesdays at :30 p.m. on the Medford repeater (147.75/147.15). If the repeater is down or not functioning properly, alternate frequencies, in order, are 147.15 MHz simplex and 146.52 MHz simplex. You're also encouraged to volunteer for net control duty for the net.

On September 7th, N9GHZ attended a meeting organized by the Clark County Office of Emergency Government, held at Grassland Dairy Products Inc. near Greenwood. The purpose of the meeting was to develop a table-top emergency response/disaster exercise. The meeting was attended by a representative of the Wis. Division of Emergency Government as well as representatives from several area police and fire depts. and EMS services. N9GHZ attended as a representative of the Clark County ARES, and provided several handouts to the others present to explain what ARES is all about. A follow-up meeting is planned for later in the month of September.

CONGRATULATIONS TO....

Dean Young, KA9SMQ, Colby, who recently graduated from the University of Wis. - La Crosse, receiving a Bachelor of Science degree in physical education-fitness. Dean's dad is Louis Young, KA9UXN, Colby and his brother is Scott Young, N9FZS, Marshfield.

Racine Megacycle Club

Arne Moxness, KA9ZPY, Secretary

3345 Newman Road • Racine, WI 53406

RACINE MEGACYCLE CLUB MEETING • SEPTEMBER 12, 1994

The meeting was opened at 7:30 p.m. by Vice President Paul, N9RGW.

All present were asked to introduce him/herself with name and call. About 30 hams were present.

The minutes could not be read, since Arne, KA9ZPY, was not present at the last meeting, and no minutes were written down and mailed in to the BSSS.

OLD BUSINESS

The club recognized the two RMC members who participated in the Baraboo Circus Train travel to Milwaukee this summer. Lloyd, WB9RGO, and Dick, KB9RP, followed the train in Lloyd's conversion van that is well equipped for 2-meter radio communications.

Treasurer Dave, AA9HL, gave the financial report.

Dave gave a report on the still-missing club jackets that seem to have been lost somewhere. The club was told a lot of reasons by the supplier why the jackets have not arrived yet. Too many "excuses" to mention here! Too late to ask for your money back, though.

Dave also gave a report on the upcoming Dinner/trolley ride in December. Two buses are 2/3 filled up already.

Larry, WA9JMO, gave a report on the ham classes, which will start shortly. Some 25 future hams have signed up so far! There have been some changes in the program, but books and materials have

HAM CALENDAR Courtesy Racine Megacycle Club

Oct	1	Testing at Red Cross
Oct	10	MEGACYCLE MEETING
Oct	14	Fox Hunt
Oct	16	QCWA meeting
Oct	23	Hamfest at Waukesha

Nov	5	Testing at Red Cross
Nov	5	Hamfest at Waukesha
Nov	6	Hamfest at Kaukauna
Nov	11	Fox Hunt
Nov	14	MEGACYCLE MEETING
Nov	21	QCWA Meeting

Dec	3	Testing at Red Cross
Dec	9	Fox Hunt
Dec	12	MEGACYCLE MEETING
Dec	18	QCWA Christmas Party

1995

Jan	8	Hamfest at Waukesha
Feb	28	Hamfest at Eau Claire
Apr	2	Hamfest at Madison
May	13	Hamfest at Manitowoc

already been obtained. Larry asked for a donation from RMC which touched off a lively discussion. After some time, the motion was changed to read that the RMC

Continued on page 12

Your vote for Kenneth A. Ebner, K9EN, candidate for Central Division Vice Director in the upcoming ARRL elections, would be greatly appreciated. Thank you.

Authorized and paid for by Kenneth A. Ebner, K9EN

WATTS SNOO



WB9QFW 2 Meter Repeater 146.07, 67 and Club Station

P. O. Box 923 • Plover, WI 54467

MEETING MINUTES SEPTEMBER 14, 1994

President Art Wysocki, N9BCA, opened our meeting at 7:30 p.m. Treasurer Scott Jasper, NE9U, handed out a summary of our income and outgo over the past year. We formally thanked him for this quite useful information.

The new 146.985 repeater hardware has one piece to go to be complete: it still lacks the voice board. We voted to approve the expenditure of \$630 (plus \$10 shipping) to obtain this upgrade hardware. Equipment Manager Ron Howe, NJ9H, will handle getting the upgrade and installing it.

Ray Dix, KF9BG, reported on Al Mallek, K9WVM's, efforts on getting new club emergency communication shirts through Plover Trophy. The silkscreens cost \$15 each to make, and we need two: one for the front and one for the back. After that, shirts up to size Large cost \$7, including the printing. KF9BG-sized shirts up to XXXL cost \$9 with printing. Your name and call on the front will cost an additional \$2. Minimum order is twelve shirts. Let Al or Ray know if you want to get in on the order.

Al also got information about jackets. The vendor prefers to do jackets on an individual basis. Costs run in the \$35-\$50 range, depending on what kind of jacket, how much printing, etc.

Next summer's swapfest will be on June 11, 1995. Mark your calendars now!

Joe Larson, N9JW, reported he will be teaching a Novice/Technician class again this year. Start date is October 5, with FCC exams on December 10. The club voted to sponsor the class, and to let Joe purchase up to twenty additional text books before the class starts.

Scott Jasper, NE9U, suggested we should upgrade the computer in the club station. It is an "antique" 8088, running software that ought to be on at least a 386. We could upgrade via a new board, or look for a used 386 at a swapfest. Mike Pagel, KA9LAQ, noted that that computer is UWSP property, so upgrading it may not be a smart move. President Art appointed Scott, Mike, and Ron Howe, NJ9H, to discuss this offline, and make a recommendation at the next meeting.

Art then made a short speech thanking all of the current club officers for their good work this past year, with special thanks to N9ICY and KA9LAQ for their candid and unrelenting support. And thank

YOU, Art, for all your time and work and helpful thoughts as our President.

And then the reason we all came to the meeting today: annual elections. Thanks to Mike Pagel for helping coordinate the nominations and for running our ever-so-squeaky-clean election process.

CWRA officers for the coming year are:

President: Lori Jasper, KA9ZGD
Vice President: Bob Baird, W9NN
Secretary: Mary Eiden, KA9FAS
Treasurer: Joe Larson, N9JW
Engineers: Ron Howe, NJ9H
and Jim Tuszka, N9MEB
Activities: Scott Jasper, NE9U

Congratulations to all the new officers. It was noted that our new "First Lady" is also the first lady President our club has ever had!

ATTENDANCE

Art Wysocki	N9BCA
Joe Larson	N9JW
Gordon Miller	KE9IA
Al Mallek	N9WBS
Steve Kochanowski	KB9IIE
Jeremiah Maller	N9WBU
Mary Eiden	KA9FAS
Mike Eiden	WD9JID
Wayne Johnson	K9MIF
Leo Liebl	W9NYS
Deb Kroll	N9EIL
Gene Kroll	KE9MA
Jim Benak	KA9ACE
Bob Baird	W9NN
Frank Podach	N9JQR
Brian Feltz	WB9E
Jim White	N9SDU
Ray Dix	KF9BG
David Tamres	KB9IIF
Mike Pagel	KA9LAQ
H.P. Maxim	W1AW
Scott Jasper	NE9U
Lori Jasper	KA9ZGD
Doc Rifleman	WA9N
Ron Howe	NJ9H

Secretary's note: I think one of those listed here was present only in spirit.

Thanks for a fun couple of years as your CWRA Secretary. Best of luck to Mary, KA9FAS, who will be taking over as soon as I finish up with this report.

Respectfully submitted:

Joe Larson N9JW

soon-to-be-former CWRA Secretary

FCC CALL SIGN UPDATE

The following is a list of the FCC's most recently issued call signs as of September 1.

District	Group A Extra	Group B Advanced	Group C Tech/Gen	Group D Novice
0	AA0SS	KG0PI	++	KB0OTI
1	AA1KL	KD1WR	N1SZJ	KB1BKN
2	AA2TP	KF2XI	++	KB2RPC
3	AA3IO	KE3ON	N3TFQ	KB3BEO
4	AD4WN	KS4BI	++	KE4QGF
5	AB5WP	KK5BL	++	KC5JHZ
6	AC6EP	KO6HD	++	KE6LWT
7	AB7EI	KJ7CL	++	KC7FHZ
8	AA8QD	KG8LA	++	KB8UST
9	AA9LY	KF9XH	N9YKN	KB9JAW
N. Mariana	KH0K	++	KH0DM	++
Guam	WH2G	AH2CW	KH2KP	++
Midway	++	AH4AA	KH4AG	WH4AAH
Hawaii	++	AH6NN	WH6XO	WH6CRI
Amer. Samoa	AH8K	AH8AG	KH8BH	WH8ABB
Alaska	++	AL7PT	WL7WV	++
Virgin Is.	WP2O	KP2CD	NP2HQ	WP2AHU
Puerto Rico	++	KP4XJ	++	WP4MSJ

++ All call signs in this group have been issued in this area.

- ARRL Bulletin ARLB073, 9/19/94.

Washington County Amateur Radio Club

David Parkinson, KA9RNU,
Secretary/Treasurer
708 Robin Street
West Bend, WI 53095



MEETING MINUTES SEPTEMBER 8, 1994

The meeting was called to order at 7:30 p.m. by Vice President Walt, N9LLS in the absence of the President, Mike, N9NBN. There were 14 members and 6 guests present.

The minutes were read by Gary, W9XT in the absence of Secretary-Treasurer Dave, KA9RNU. A motion to approve was made by Keith, KY9P and seconded by Don, K9GR. The motion was approved.

The treasurer's report was also read by W9XT. A motion to approve was made by Andy, KB9UE and seconded by Larry, WB9BVB. The motion was approved.

The repeater report was made by Don, K9GR. He reported that the new WAR directory was out. It listed the repeater as being located at St. Lawrence (the new site), with W9MQD as the trustee and WCARC as the sponsor. Don reported there would be a meeting of WAR on the upcoming Saturday, Sept. 10, where final action would be made regarding coordinating the new site. Don did not expect any problems.

Don also reported that the St. Lawrence Fire Dept. has verbally accepted the agreement regarding the tower and locating the repeater equipment at their site. Don read the agreement and discussed what it covered. A motion was made accept the wording of the agreement by the WCARC. KB9UE, Andy, made the motion and it was seconded by Paul, N9KIK. The motion carried.

N9LZW, Tom made the ARES report. Tom mentioned that the Sullivan weather office would be taking responsibility for southern Wisconsin for severe weather this winter. The Madison office would be either shut down or reduced in size. Sullivan will be looking for weather updates from area hams this winter.

Tom also reported that the Simulated Emergency Test would be held Saturday October 15. We would be active from 3:00 p.m. to 9:00 p.m. Tom encouraged members to prepare radiograms to be sent to people we know for the SET. Also, get a

map of the county. There would be a number of activities regarding going to various locations in the county.

The Washington Co. Dept. of Emergency Government is setting up packet radio capability. They have acquired a TNC and coax, and a radio and antenna were on order.

Larry, WB9BVB mentioned the next breakfast would be at Around the Lakes II, in Hartford. There was a discussion of the picnic in August. There was a good turnout and lots of good food. Larry also mentioned the club dinner in January. If you have any suggestions for a location, give them to Larry.

There was no old business.

Under new business, the possibility of the club holding a hamfest was discussed. Don, K9GR mentioned that the Repeater Committee has talked about it a number of times. He reported that it would require lots of work from a number of people to do one. It would also require picking a good date, which are scarce, and a good location that offered room for growth. No action was taken.

WB9RWV, Peggy, mentioned that AES was holding seminars on packet radio on Saturday Sept. 17. Two experts from Kantronics would be present to cover packet radio from getting started to advanced topics.

A motion to adjourn was made by KB9UE and seconded by K9GR. The meeting was closed at 8:35.

The program was presented by Keith, KY9P, on the topic of transmitter hunting and direction finding.

Oct. 13th meeting will have Gary, N9UUR, on AMSAT and satellite communications.

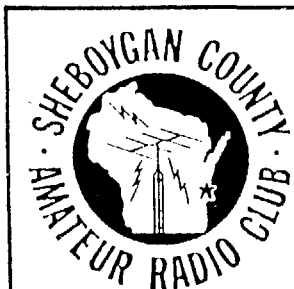
SATURDAY MORNING BREAKFAST SCHEDULE (10:00 a.m.)

Oct 1st	Fay's, West Bend
Oct 8th	Jimmy's, Jackson
Oct 12th	Around the Lake 2, Hartford
Oct 19th	Corfu, Richfield
Oct 26th	Slinger Inn, Slinger

Submitted by Gary Sutcliffe, W9XT

SHEBOYGAN County Amateur Radio Club

Mike Musiel, KF9SJ, Secretary
N9001 Dairyland Rd., Cleveland, WI 53015



The September meeting of the Sheboygan County Amateur Radio Club was called to order by Steve, KF9KZ.

The first item of business was the announcement of a new meeting format and schedule. The club has met, and will continue to meet, at 7 p.m. on the second Tuesday of the month at the Red Cross Building, 2032 Erie Ave, Sheboygan, WI. In a letter presented to the membership by club President Steve, KF9KZ, it was announced that all club business will be conducted on the fourth Tuesday of the month. This will leave more time for programs, demonstrations and socializing. The fourth Tuesday of the month, which has been the board meeting night in the past, will be used to conduct all official club business, and will be open to the general club membership for voting. This move has been prompted by input from club members.

The attempt to provide a interesting program, and conduct business in the same night has led to very long meetings, and club members who have noticed how hard the seats really are in the club room. The attempt of the new meeting format is to make the general meeting more interesting and fun for all the membership. We will do our best to alert the membership of

upcoming items to be voted on at the business meetings on the fourth Tuesday of the month. The details on how to do this properly are still being worked out.

The program presented for September was on computer viruses, presented by Chris, N9VKC. Chris did an excellent job in summarizing the different types of viruses present, and what common sense precautions can be taken by ham radio operators to safeguard their machines.

The general meeting was concluded with reports from Tom, AA9BJ, on DX, Penny, N9TCF, on upcoming contests, and Al, NF9R, announcing the Simulated Emergency Test to be performed by the Red Cross on October 1. At that time, a refreshment break was announced.

After the break, a short business meeting was held.

OLD BUSINESS

Al, NF9R, reported the club treasury was at \$1,314. Late dues were still coming in. The fund raising brat fry held in August cleared \$240.00 after expenses.

KF9KZ reported that the dual band radio purchased by the club in August had

Continued on page 12

Mancorad Radio Club

Eric Rugowski, WD9IAB, Secretary

P.O. Box 204 • Manitowoc, WI
54221-0204



2-Meter Repeater: 146.01 Input/146.61 Output

MEETING MINUTES SEPTEMBER 14, 1994

The meeting was called to order by Club President Steve, N9PBL, at 7:30. The August minutes were approved by the club as printed in the *Smoke Signals*. Treasurer Janice, N9IQZ, read the treasurer's report, which was approved by the club.

NEW BUSINESS

Gary Linders, a teacher at Manitowoc-Lincoln High School was introduced to the club. Gary is an instructor who wants to revive the club (ham radio) station at Lincoln High School, so that students can be offered the option of learning about ham radio, and the electronics and communications technologies that are a part of it. As a result of this exposure to ham radio, some students might become interested in pursuing careers in engineering, and other technical fields. Gary asked if the club could help with acquiring equipment, setting up the station, and training students to get their licenses. Kuby, N6JSX, has offered to take charge of helping with this project. Any members who are interested in helping out should contact Kuby.

Jim Vareka, an official for the local Boy Scout council, was also introduced to the club. Jim asked if the club would help out with the Scout Jamboree-on-the-Air. This is held every year in October, and consists of scouts around the country using ham radio to contact each other and exchange greetings. Local Boy Scouts would use the club's (or a ManCoRad member's) station, while under the supervision of a club member to exchange their greetings with other scouts. John, WB9ESM, offered to run the station. Since this might be a day-long affair, additional operators might be needed. If you are interested in helping out, please contact John, WB9ESM.

Club President Steve, N9PBL, told the meeting attendees about the failure of the club's repeater in the third week of August. This was due to the failure of the repeater's amplifier. Since the repeater is an integral part of the club's emergency communications, several members decided to purchase a repeater-grade amplifier (the failed amp was never designed for repeater usage), and a higher amperage power supply (the old one was still good, but was running at the limit of its current rating, which made the probability of its failure pretty high), to get the repeater back on the air as soon as possible.

After much discussion by the meeting attendees, it was decided to reimburse the club members who bought the repeater amplifier and the power supply. In order to provide additional monitoring of the repeater, and make any recommendations as to what should be done to help the repeater operate better to meet club members' needs, a technical committee was formed for the club repeater. Its members are Glenn, KF9VB; Kuby, N6JSX; and John, WB9ESM.

Yogi, WN9Q, talked about the RACES organization. This organization is open to all hams. It basically provides hams to work with local emergency government to provide communications during natural and man-made emergencies. There are a couple of benefits that belonging to RACES provides: (1) Better coordination between hams and Emergency Government, and (2) RACES members are provided with additional insurance when they are in potentially hazardous situations (such as severe weather spotting). Club members interested in joining RACES should contact Yogi, WN9Q; Red, N9GHE; or Clancey, KB9ECW.

Bob, KB9INK, showed the meeting attendees a dual-band (2M and 440) J-pole

he recently built out of copper tubing. According to Bob, it performs very well. Members interested in building one should contact Bob for the design information.

OLD BUSINESS

The club voted to increase hamfest table fees to four dollars per table. This will help to make up for the higher rental cost of the Manitowoc County Expo Grounds that the hamfest is held in.

The meeting ended at 8:30.

After the meeting was over, Kuby, N6JSX, gave a talk on transmitter hunting, and the techniques used for it, to interested club members. A T-hunt was then held outside of the meeting place, with the transmitter hidden within a 1/4-mile radius. In spite of the fact that rain shortened the hunt, all of the hunters had a good time. Bob, KA9INK, was the first one to find the transmitter.

There will be another T-hunt in conjunction with the October meeting. This one will start at 6 p.m. on the day of the meeting. T-hunters can start anywhere. The transmitter will be hidden within a 1/2-mile radius of the meeting site. Its frequency will be 146.565 MHz. Kuby will provide helpful hints over the club repeater. The hunt will end at 7:30. Hope to see you at the hunt!

73.

Eric Rugowski, WD9IAB
Club Secretary

P.S. Club elections will be held at the October meeting.

Also, I'd like to thank all of the club members who helped out with the special event station from the submarine U.S.S. Cobia: Bob, KA9INK; Len, N9QFO; Kuby, N6JSX; Jim, N9KKG; Paul, N9QFX; Barney, N9XER; Mary, KB9GOY; and Ken, K9HAG. Without your help, this special event station wouldn't have been possible.

MEETING ATTENDEES

Steve	N9PBL
Lyle	WB9VTM
Oran	N9VIA
Craig	N9VIC
Jim Vareka	
Barney	N9XER
Len	N9QFO
Gary Linders	
Jeff	N9XEV
Red	N9GHE
Cheryl	N9KKX
Jim	N9XCQ
Les	WB9MNQ
Ken	WB9OBX
John	NZ9Z
Kuby	N6JSX
Bob	KB9INK
Ryan	KE6ATX
Vic	WB9VYO
Jim	N9KKG
John	WB9ESM
Dick	N9QFY
Dan	KA9EAX
Bill	N9XEZ
Dan	N9FVZ
Glenn	KF9VB
Ken	K9HAG
Mike	AA9AA
Ron	WS9X
Janice	N9IQZ
Mark	N9JZZ
Liana	KB9IUQ
Dennis	N9PAS
Robert	N9LVU
Bill	K9DUX
Paul	N9QFX
Ken	WD9ERO
Mary	KB9GOY
Eric	WD9IAB
Yogi	WN9Q
Terry	N9PZQ
Sharline	

Northern Wisconsin Radio Club

- Since 1923 -

Steve Hart, KA9OMC, Secretary

Route 1, Box 54 • Knapp, WI 54749



Greetings, NWRC members and guests.

The next meeting of NWRC will be on October 25 at the Peppermill Restaurant in the Thunder Bird Mall in Menomonie. Meeting time is 7:30 p.m. Members wishing to hold office or vote for officers should attend. I am unable to inform you of nomination results from the September 27 meeting as this news must be submitted prior to the meeting to meet print deadline.

NX9F, Jim Ley, has extended his thanks to all who helped with the Tin-Man activity in Menomonie on August 27.

Smoke Signals editor Jim, K9ZZ, asks that we give some consideration to inviting local legislators' involvement in sponsoring a "state version" of PRB-1 on tower heights. Any volunteers?

Repeater groups involved in using 440 MHz for linking should pay special attention to the Minnesota Repeater Council's

September newsletter regarding two proposals to relocate link frequencies to allow more 440 repeaters based on user-hours. When will these people ever learn that it is not the yack factor that justifies repeater coordination, but a system's usability and emergency capabilities that should make up the spectrum? The Red Cedar Repeater Association will have a letter to our WAR council that you may wish to sign onto regarding our concerns about the adjacent proposed activities.

Remember the election on October 25. I have held a position with the club for seven straight years, and would not mind seeing someone else holding the pen that is interested in keeping the club going the direction of fraternal, non-repeater. How about giving it a try?

Steve Hart, KA9OMC
NWRC Secretary/Treasurer

Racine Megacycle Club

Continued from page 10

would back Larry in case of some financial miscalculations by Larry regarding people buying the books, etc., which Larry has paid for with his own money. Larry asked for a token support and almost got the bank!

Larry should be applauded for his efforts to enroll more hams. He has apparently gotten a good response from hams to help in the various levels of classes, mostly Novice.

Larry also gave a report on the 1995 Ham Dinner, which will take place February 25 at the Ensenadas on Washington Avenue. He said he still has some committees to organize, like awards, Ham of the Year, etc. Larry asked for some money. The larger clubs like RMC are asked to

forward \$15.00, and the smaller clubs \$7.00 toward prizes, etc.

Dan, KA9OIL, gave a report on a ham club meeting he and other hams from Racine attended in Milwaukee.

NEW BUSINESS

Dan, KA9OIL, reported that he has volunteered to be the Field Day Chair for 1995. He has, even at this time, been promised help from Cheryl, WS9P, and Dave, KC9NG.

The meeting adjourned at 8:20 p.m. The "Goodie Box" was given to Dennis, N9SVL. He has already told me on packet that he will have plenty in the box for the next meeting. (I may buy a few more tokens then!)

Undersigned can report first-hand that a large number of hams met afterward at the same popular semi-official restaurant.

Sincerely submitted:
Arne, KA9ZPY, Club Secretary

Sheboygan County Amateur Radio Club

Continued from page 11

been installed and, was in service.

NEW BUSINESS

The October program will be a presentation on TCP/IP by Julian, N6ARE. October will also be Home Brew Night, so bring in your projects! The club was reminded about the packet radio seminar at A.E.S. on September 17.

Finally, a discussion was held about setting up a packet radio demonstration at the Computer Fair at the Mead Library in Sheboygan on October 22.

UPCOMING PROGRAMS/EVENTS

October 11 - Next Club Meeting. TCP/IP program by Julian, N6ARE.

October 15 - Fox Hunt! Tune into Monday Night Net or SHEBBS for time.

October 25 - Next Business meeting. November 8 - Club Meeting featuring SWL by Steve, N9TRK.

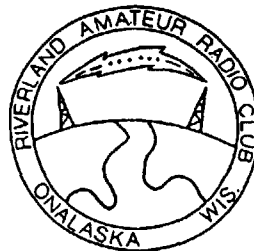
December 13 - Club Meeting with Penny's Slide Show Contest!

Submitted by Mike Musiel, KF9SJ

Riverland Amateur Radio Club

Judy Williams, N9LGV
Secretary

Club mail address: P.O. Box 621
Onalaska, WI 54650



MEETING MINUTES SEPTEMBER 6, 1994

The September meeting of the Riverland Amateur Radio Club was called to order by president Feroz, WU9N.

Feroz asked members to observe a moment of silence for silent key Carl Oldberg, W4ST.

Secretary's Report: Judy, N9LGV, read the minutes of the August meeting. The minutes were approved as read.

Treasurer's Report: Mark, N9UNW, gave the treasurer's report. There are 91

paid members. The treasurer's report was approved.

OLD BUSINESS AND COMMITTEE REPORTS

Swap Fest: Clarence, N9NXW, reported on a successful Swap Fest held on August 27th. A profit from admissions and coffee was made.

.97 Repeater: Walt, AA9AW, had nothing new to report.

Continued on page 13

Riverland Amateur Radio Club

Continued from page 12

Noise on .97: Walt, AA9AW, reported that the source of the noise has not been determined. It is affecting other repeaters in the Eau Claire, Hixton and Menomonie areas.

VEC: Rick, KV9U, has set the next test date for Thursday, October 27, 1994, at the Onalaska Community Center. Test time will be 7:00 p.m. Contact Rick to pre-register for the test. A class will not be taught unless 10 students pre-register.

440 Repeater: Dan, N9PZC, reported that some equipment has been purchased; tower mounts and antenna, feed line has been donated. There are still club caps for sale.

Trailer: Bob, N9LZK, had nothing new to report.

Net Manager: Mike, N9LXI, has collected information and is developing guidelines for a club sponsored net. Volunteer net controls will rotate through a schedule. Mike hopes to have the net on the air in October and use share ware for record keeping.

Amateur Radio Weekend: Kent, W9LZQ, reported that the Mississippi Valley Amateur Radio Club will be co-sponsoring the event with us on September 17th from 10 a.m. to 6 p.m. at an outdoor site at Valley View Mall. Volunteers are needed to help set up, talk with visitors and operate equipment. A sign up sheet was passed around. Kent made a motion that up to \$50 be authorized for refreshments and incidental expenses for

the event. Second by Rick, KV9U. Motion passed. The mayor of La Crosse, Pat Zielke, will sign a proclamation, with both clubs being represented, on September 6, 1994.

Skywarn: Kent, W9LZQ, reported that the club had been asked to assist with emergency communications in Adams Co. following tornado damage.

NEW BUSINESS

Winona Bike Tour: Walt, AA9AW, read a thank you from the Winona Amateur Radio Club for the help with the Sugarloaf Classic Bike Tour.

New City Ordinance: Feroz, WU9N, reported on a new city ordinance which makes it illegal to broadcast interference with radio and television. This ordinance exempts Amateur Radio.

Field Day: No action taken.

Swap Fest 1995: Dick, K0JYB, reported on costs of using the new Onalaska Omni Center. The facility would offer space for the swap fest, as well as rooms for special interest workshops and testing. A group will meet after the regular meeting to pursue this idea.

Extend Meeting: Walt, AA9AW, made a motion to extend the meeting, Karl, KB9EQI, second it. Motion passed.

WAPR: Applications are available.

Adjourn: A motion to adjourn the meeting was made and second. Motion passed.

Program: A display and talk about collector license plates was put on by Don, of Winona, MN, who is an avid long time collector of many kinds of plates, including those related to Amateur Radio.

Respectfully Submitted by
Judy, N9LGV, Secretary

Quarter Century Wireless Association Southern Wisconsin Chapter 162

Larry McCalvy, WA9JMO
5400 Six Mile Road
Racine, WI 53402



Congratulations to Spencer Clope, W9LDH, and Bob Jensen, W0WLN, on successfully completing the written portion of the Amateur Extra class license. Spence and Bob have been diligent students the past several months, and I feel our Chapter will have two new Extras by the end of the year.

During a recent Kenosha ham breakfast, I noticed Bob Jensen moving around the room rather gingerly. I inquired as to what the problem might be. Bob said he hurt his back while brushing his teeth. I know Bob always puts a maximum effort into all of his endeavors, but even for Bob that seemed a bit excessive.

Al Algiers, W9HR, a long-time Commodore computer buff, decided to jump into the fast lane and upgraded to an IBM compatible computer system. And Murphy ran rampant through it. Or so it seemed. Al now appears to be a firm believer in Murphy's Law: *If it can go wrong, it will.* Al, it is not too bad; you can always do as I did, run out and grab the first nine-year youngster you see. They know all about computers. And, if you need a real expert, just latch onto a teenager; they know all there is to know about everything. If you have any doubt, just ask one. All kidding aside, Al, in a little while, you will have it all mastered. At least, that is what my nine-year-old instructor told me. The only thing I failed to glean from our encounter was how long "a little while" is.

I am looking forward to our Annual

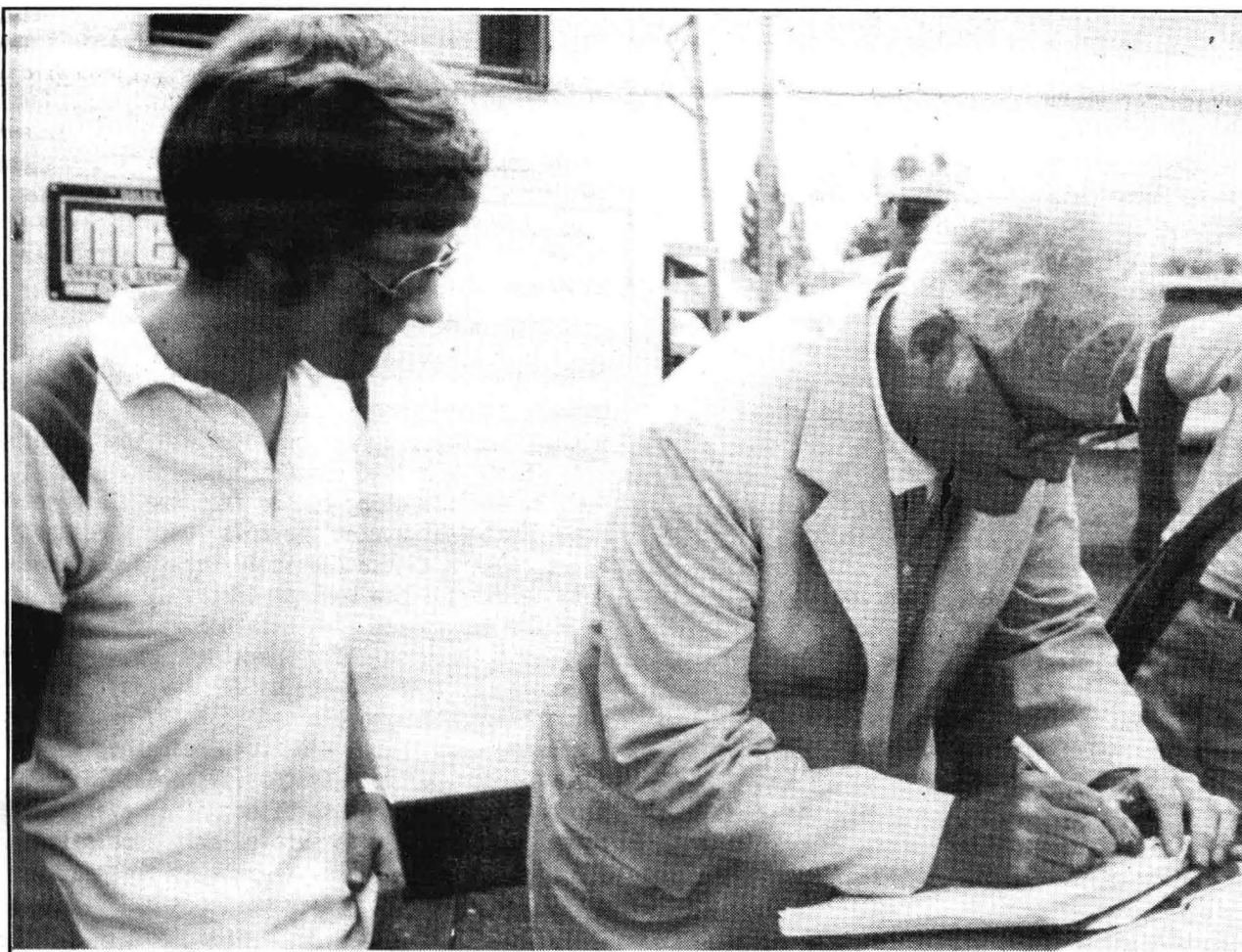
Meeting on Sunday, the 16th of October, at the Kenosha Harborside Holiday Inn. Good friends, excellent food, election of officers, and, hopefully, our QCWA banner with the new change sewn on the bottom. Reminder post cards will be sent about ten days before the event, and announcements will be broadcast during our Thursday 9 p.m. nets on 147.270, the Lakeshore Repeater. Our history files will be on display, and the club will pick up the tab for the afternoon's outing.

Our Amateur Radio classes should be in their third week as you read this article. These classes are a learning experience for the instructors as well as for the students. We will be trying techniques that we hope will stimulate the desire to learn and, at the same time, be in an environment that is friendly and enjoyable. Techniques that enhance our goals will be kept, those which do not will be dropped. We are offering the Novice, Technician, and General class courses at this time. If we have a successful training session, we will repeat our classes next Spring, and possibly offer the Advanced and Extra Class license training if there is a need and a desire.

Mark your 1995 calendar for the Great Southeastern Wisconsin Ham Banquet on Saturday, the 25th of February, 1995. All the details will be in next month's article.

73, Larry McCalvy, WA9JMO

Browsing Thru the Photo Files



This photo was taken at the Experimental Aircraft Association's Convention and Fly-In in Oshkosh in 1978 or 1979. At left, Steve Polishinski, WB9YSD, watches as fellow radio amateur and then-Senator Barry Goldwater, K7UGA, signs the register at the Oshkosh Amateur Radio Club's Amateur Radio station on the EAA grounds. Barry spent about an hour at the station, enjoying visiting with OARC members and some of the visiting hams at the convention.

- Photo by Jim Romelfanger/K9ZZ

Club Reminder

Participating clubs are reminded to send meeting minutes **NO LATER** than 5 days after meetings to BSSS to be published. Thanks!

Congress Watchers Hopeful

Continued from front page

out of the Senate Commerce Committee as a "stand-alone" bill.

Differences in these bills could be ironed out in a conference committee toward the close of the session, scheduled for early October.

H.R. 2623, sponsored by Rep. Jim Slattery of Kansas, has still not been reported out of the House Energy and Commerce Committee. The bill currently has 82 co-sponsors. There is no Senate version.

"Congress watchers agree that this is an unpredictable year," said Steve Mansfield, N1MZA, ARRL Manager of Legislative and Public Affairs. "Health care, crime bills, the big telecommunications bills, and a few other 'mega' issues have captured Congress' attention to the exclusion of almost everything else. As a result, a lot of special interests got left in the dust this year."

"It's a credit to the effectiveness of hams who wrote to their senators and representatives that these powerful committees have given us a fair hearing and considered our bills."

- The ARRL Letter, 8/29/94

NEW PRODUCTS

Continued from page 9

greatly improves regulation and reduces peak AC line current. Ameritron's exclusive Multi-Voltage Power Transformer lets you compensate for stressful high line voltage and performance-robbing low

line voltage.

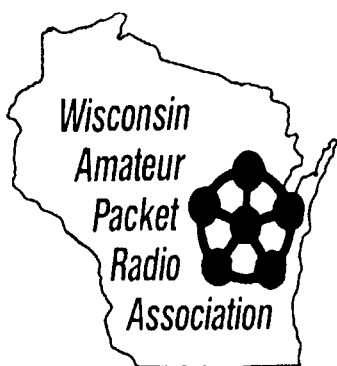
The ALS-600PS also features StepStart Inrush Protection, which will stop damaging inrush currents and extend the life of power supply components. The illuminated cross-needle meter monitors voltage and current of the 50 VDC line. The ALS-600PS inclusion also comes with a pre-wired cable to plug into the ALS-600. This is an offer that cannot be beat!

Enjoy the newest in the high power line of

amplifiers from Ameritron, the high power specialist.

For more information, contact an Ameritron dealer or Ameritron, 1-601-323-8211. To order, contact any Ameritron dealer. FAX: 1-601-323-6551, or dial toll-free 1-800-647-1800 for an Ameritron dealer near you.

- Ameritron news release



THE WISCONSIN PACKETEER

Wisconsin Amateur Packet Radio Association (WAPR)

Ted Heilmann, N9LLT
921 8th Avenue • Grafton, WI 53024

Steve Loeffler, WB9ZRE, Editor, 123 W. Oshkosh St., Ripon, WI 54971

WAPR MEETING 10/8

When: OCTOBER 8, 1994 10 A.M. UNTIL NOON
Where: PLOVER MUNICIPAL BUILDING 2400 POST RD.
(HWY 54) PLOVER, WI
Who: ALL AMATEURS INTERESTED IN AMATEUR RADIO
DIGITAL COMMUNICATIONS
What: 1. INTEGRATION OF TNX1J2 INTO THE
WISCONSIN WAPR NETWORK
2. FACILITATING TCP/IP VIA THE NETWORK
3. APPROVAL OF WAPR EXPENDITURES
4. MAKING WAPR WHAT WE WANT IT TO
BE/WHAT NEEDS TO CHANGE
5. PLAN FOR MEMBERSHIP EXPANSION/UPDATE
ON RECRUITMENT
6. FREQUENCY COORDINATION ISSUES
7. UPDATE ON STATUS OF WAPR NETWORK
8. OTHER ITEMS (MEMBERS: PLEASE SUGGEST
BY 10/1/94)
9. SCHEDULE MEETINGS FOR REMAINDER OF
YEAR (Madison/Green Bay, etc.)
Why: WAPR IS ->YOUR<- ORGANIZATION. WE NEED
YOUR PARTICIPATION AND INVOLVEMENT.
WAPR IS YOUR STATEWIDE ORGANIZATION TO
PLAN FOR THE FUTURE OF DIGITAL COMMUNI-
CATIONS IN THE STATE OF WISCONSIN.

PLEASE PLAN TO ATTEND.

73, Kent Helman W9LZQ

WAPR FREQUENCY COORDINATOR

I am pleased to let everyone know that Steve McDonough KE9LZ has accepted the position of WAPR frequency coordinator. Steve will be organizing a committee representing various areas of the state to handle coordination efforts.

The task of coordination our ever expanding packet network is by no means an easy task given the complexities in each geographical area of the state. Our previous coordinators have done an excellent job and use of a coordinating committee should ease the task somewhat as well as give attention to the unique needs in local areas of the state. We welcome Steve's volunteer spirit and his interest in serving the Wisconsin packet community.

Please come to the WAPR meeting on Saturday October 8 to discuss frequency coordination as well as many other topics of interest. The meeting begins at 10:00 a.m. at the Plover Municipal Building 2400 Post Road. WAPR is YOUR packet association...come make it represent YOU.
73, Kent W9LZQ WAPR Chair

Slinger Nodes shutting down.

Hi all. The Nodes located at Slinger, WI, WB9TYT-5 (#SLGH), WB9TYT-6 (WICONV), WB9TYT-7 (WISLG), WB9TYT-8 (#SLGB), & WB9TYT-9 (#SLG2), will be shutdown & removed from the property it is located at on October 15, 1994. The site is owned by my brother who is about to retire & is putting the house & property up for sale. I and a few other folks have tried to find another "HAM" to purchase it, but to no avail. The site will be listed with a realty company & it was decided to remove the tower & all the equipment prior to listing the property. I guess the beauty of a tower is only in the eyes of a ham!!!

I am also planning to shut down the WB9TYT BBS in Milwaukee, WI at the same time. I have been at this forever it seems, but actually around 10 years. It has been a blast & I feel very fortunate to have been in on the ground

floor & see this mode go thru it's growing pains. I continue to be puzzled by the fact that we now have well over 2000 hams on Packet in this state, but only around 80 of them are interested enough to support the mode by joining WAPR. Hmmm.

73 es Cul. Dan, WB9TYT.

WD9ESU BBS & Nodes down.

Hi all. I just got off the fone with Larry, WD9ESU, in Lodi. His house took a direct hit of lightning last night & he has suffered extensive damage. The BBS is down as well as the nodes. Everything seems to have been "color coded black". Nothing will work. IC's were melted in their sockets in the TNC's. Computer will not run. Pump had fuses blown, Fone was smoked & he got that fixed this morning. We will try to route traffic around him, but this could be a BIG problem. Your patience & understanding will be welcomed. Larry could use lots of help to get back up & running. His fone number is 608-592-3739.

73 es Cul. Dan, WB9TYT.

TCP/IP Coordinator

Greetings all. As of last week, I accepted the responsibilities of IP coordinator for WI and UP. As you know, I take the place of Pat Davis (KD9UU) who has faithfully performed this function for years.

One of my goals is to collect more complete info about the stations listed in the domain.txt and to prune stations that have moved or are otherwise permanently inactive.

I'd like to get all the stations I can onto a mailing list so that we can act in a more coordinated manner to improve packet TCP/IP in Wisconsin. Since many hams have access to the Internet, FidoNet, CompuServe, America Online, or other information services, this should be possible.

Please mail comments, feedback, etc to me.
Thanks & 73, Tom N9UDL

Thomas Landmann
DoIT Network Systems Technology
1210 W Dayton Street, Rm 4220
Office: 608.263.1650
E-mail: landmann@facstaff.wisc.edu
Compuserve: 76020,2055
AX.25: N9UDL @ WD9ESU.#SCWI.WI.NOAM
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HILITES ARRL DIGITAL COMMUNICATIONS CONFERENCE

Digital Enthusiasts Gather In Minnesota
from The ARRL LETTER Aug 29th

Bloomington Minnesota was the site of the 13th annual ARRL Digital Communications Conference, hosted by the TwinsLAN Amateur Radio Club. More than 140 hams from throughout the US and Canada met from August 19 through the 21 to discuss amateur digital communication - present and future.

Technical presentation topics included G-TOR, the new HF digital communication system developed by Kantronics; the Automatic Packet Reporting System (APRS); digital image transmission; and many others.

One of the star attractions was the presentation of the DSP-3, a communications processor that utilizes advanced digital signal processing

techniques. The DSP-93 is the product of a joint development program sponsored by AMSAT-NA and the Tucson Amateur Packet Radio (TAPR) group. It is based on a modular, standalone DSP system proposed by Bob Stricklin, N5BRG.

The first DSP-93 kits will include software for the following modes: 1200 and 300 bit/s AFSK packet, 1200 bit/s PSK packet (for satellites and terrestrial use), 9600 bit/s packet (satellite and terrestrial) and various audio filters. Software currently under development includes a digital oscilloscope, SSTV, and various HF digital modes. In most cases, updating the DSP-93 for new functions is as easy as loading the revised software.

AMSAT and TAPR say they'll distribute DSP-93 software via the Internet, various amateur satellites, and CompuServe. Software updates also will be available on diskette from TAPR. The DSP-93 sells for \$430 as a complete kit, including the enclosure and power supply.

Another item that drew considerable interest was the new Baycom 9600 bit/s TNC emulation system. Baycom representative Wolf-Henning Rech, DF9IC, explained that the new units would be similar in function to the popular Baycom 1200/bit/s TNC packages, although some-what more complex. He predicted that the hardware and software would be ready for sale within 60 days.

Manufacturers were well represented at the conference. Paul Evans of PacComm was showing off their new SPRINT TNCs. Kantronics displayed their new KPC-9612 TNC as well as the KAM Plus with G-TOR.

In addition to the technical presentations, there were several discussion forums on a variety of topics, including high-speed data transfer techniques and HF data transmission methods. John Ackermann, AG9V, moderated the high-speed forum while Frank Perkins, WB5IPM, chaired the HF group.

Lew Shannon, K0RR, moderated a discussion of the future of TCP/IP. The standing-room-only crowd enjoyed an occasionally heated debate concerning the legalities of gateway activity between amateur TCP/IP networks and the Internet. Many expressed concern about the need to monitor traffic going to and from the internet. Some felt that strict controls were necessary while others argued that only the end user was responsible for the content of the data.

The discussion also turned lively regarding conflicts between ATV operators and TCP/IP networks on the 70-cm band. Several TCP/IP network operators complained that ATV users were occupying too much spectrum, causing severe interference to their systems. Phil Karn, KA9Q, proposed a long-range solution where everything becomes digital. "With sufficiently sophisticated digital techniques, there's no reason why voice, data and image communicators can't share the same bandwidth."

Phil Karn also acted as moderator of the digital data transmission development forum. Part of the discussion centered on creating digital voice repeater networks that would be compatible with current FM transceivers.

DIGITAL RADIO SEMINAR

Mark your calendar and plan to attend one of the best seminars on amateur radio digital communications ever given!

Date: Sunday, November 11, 1994

Place: Harper College, accessible from I-90 off ramp on Roselle Rd, Euclid or Algonquin Avenues.

Time: Tentatively 8am - 9am registration
9 am - 5 pm Technical sessions
With a 1 hr lunch break

Kantronics of Lawrence KS has generously agreed to put on the presentation and provide us with the excellent technical expertise of the Kantronics staff, including the well known speakers Phil Anderson, W0XI and Karl Medcalf, WK5M. Kantronics has some recent product releases that have taken hold in amateur digital communications including their G-TOR protocol, the KAM Plus and KPC-9612 digital communications controllers. The crew from Kantronics will undoubtedly cover these new products, but the main thrust of their discussions will be technical, not product oriented.

A parallel session in TCP/IP station setup is planned, to be held in adjacent room by CAPRA. Info packets containing data on the Chicago metro network, Internet gateway listings, and user info on many of the BBS systems used locally will be available for purchase.

Attendance is free, but voluntary donations are encouraged. Updates of the schedule and map information will be available in a direct mailing within the area, notices at hamfests between now and November 11, in bulletins on Illinois, Wisconsin, Michigan, Iowa and Indiana BBSs and at your favorite ham radio dealer's store locations.

Hope to see you there!

ARRL TEST POINT (continued from page 3)

12/20/94, Aurora, 708-879-2217, Alan Ahasic
12/20/94, Burr Ridge, 708-986-0061, Dennis Lamoreaux
12/20/94, McHenry, 815-678-4276, Jack Hudson
01/17/95, McHenry, 815-678-4276, Jack Hudson
02/03/95, Westmont, 708-964-6712, Don Hlinsky
02/21/95, McHenry, 815-678-4276, Jack Hudson
03/21/95, McHenry, 815-678-4276, Jack Hudson
04/07/95, Westmont, 708-964-6712, Don Hlinsky
04/18/95, McHenry, 815-678-4276, Jack Hudson
05/16/95, McHenry, 815-678-4276, Jack Hudson
06/02/95, Westmont, 708-964-6712, Don Hlinsky
UPPER MICHIGAN
10/08/94, Houghton, 906-337-2542, George R Thurner
12/03/94, Harvey, 906-249-3837, Richard Schwenke

MINNESOTA

10/01/94, St Paul, 612-222-7253, John Bellows
10/08/94, Bloomington, 612-888-6187, Jerry Jensen
10/08/94, N Branch, 612-444-9814, Bradley Fern
10/15/94, Cottage Grove, 612-459-8678, David Harrell
10/22/94, Grand Rapids, 218-492-4501, Dan Weinberger
10/29/94, Rochester, 507-288-6121, Richard J Baker
10/30/94, St Paul, 612-222-7253, Jay Bellows
11/12/94, Bloomington, 612-888-6187, Jerry Jensen
11/19/94, Cottage Grove, 612-459-8678, David Harrell
12/03/94, St Paul, 612-222-7253, John Bellows
12/10/94, Bloomington, 612-888-6187, Jerry Jensen
12/10/94, N Branch, 612-444-9814, Bradley Fern
12/17/94, Cottage Grove, 612-459-8678, David Harrell

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WB9FDZ (Original Club Call) • K9ODK (Robert L. Prine Memorial Call)



Raymond J. Matlosz, N9MLZ, Secretary

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No minutes were received by the BSSS printing deadline. The following information has been informally passed to BSSS.

The September meeting of the YTARC business was the Election of officers for 1995. The 1994 officers were nominated and elected to continue in their respective posts.

The following is the YTARC meeting schedule for 1994.

Oct. 18 ATV (amateur television).
Nov. 16 Packet radio and computers.
Dec. 15 CHRISTMAS PARTY

All meetings will be at the Baraboo Civic Center, room 14, unless otherwise noted. Starting time for the monthly club meeting is 7:30 p.m.. The program start time after the meeting is 8:00 p.m., with a one hour limit.

This section of Badger State Smoke Signals is available to publicize your Volunteer Examiner Amateur Radio license examination schedules. Please send us your schedules of dates, times, and locations that you will be conducting examinations and we will include the information here. Be sure to include contact address and any other necessary requirements. Information should be sent to K9EN at the address shown on page 2.

Potato Latkaks (Pancakes) - by WB9RQR

This recipe is tried and true, many times over. Recipe may be doubled (insisted upon by my kids each year).

- 6 medium potatoes
- 1 medium onion
- 2 eggs (whites only may be used)
- 2 tablespoons flour
- 1 teaspoon salt
- dash of pepper
- 1/4 teaspoon cinnamon

Grate potatoes and onion, using a HAND GRATER, the finest side. Add remaining ingredients and mix well. Drop a tablespoon + of the batter into hot oil (canola is fine) in a pan. Fry till well browned on both sides. Drain on paper toweling and eat plain or covered with a dollop of applesauce or sour cream.

NOTES:

1. The "grater" should be renamed: "lesser".
2. Some claim that the bit of finger skin that invariably gets into the batter adds to the flavor. Seriously, a blender does not do a good job - it imparts a different texture.
3. My youngest son, the university student,

prefers sour cream. My daughter, the TV anchor, prefers applesauce. My wife, the executive, prefers both. I prefer them "straight up". Try it all ways; you can eat more that way in the interest of experimentation.

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I am trying to find a 1952 Wisconsin ham plate for my collection. I believe this was the first year that ham plates were issued in Wisconsin. Can you help me? I would be happy to pay for any expenses involved. Mike Ludkiewicz, W1DGJ, 143 Richmond Road, Ludlow, MA 01056.

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Dan Vanevenhoven, N9LVS
2410 E. Newberry Ct.
Appleton, WI 54915
414-739-5101

EXAM INFO:

Larry Siebers, KD9IA
414-788-3823

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& Computer Swapfest

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Saturday, May 13, 1995

For more information, call:

Ron, WS9X: 414-793-4733 (Nights)
Red, N9GHE: 414-684-9097

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17th Annual

CWRA SWAPFEST

Sunday, June 11, 1995 • 8 a.m. to 2 p.m.

UNIVERSITY CENTER, U.W. STEVENS POINT

Info: Art Wysocki, N9BCA
3356 April Lane

715-344-2984
Stevens Point, WI 54481

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W70 N1018 Hampton Court • Cedarburg, WI 53012

Kettle Moraine Radio Amateurs SWAPFEST

Sunday, October 23, 1994

Waukesha County Expo Center

Info: KMRA Swapfest

P.O. Box 411

Waukesha, WI 53187-0411

Northern Wisconsin Radio Club

AUCTION

February 28, 1995 • 7:00 p.m.

**American Legion Post 53 • 634 Water Street
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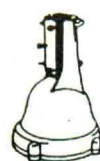
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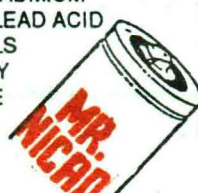
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